# ANNUAL ADMINISTRATION REPORT

OF THE

# FOREST DEPARTMENT

OF THE

# MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1911.

(1910-1911.)

MADRAS:
PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

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## FOREST ADMINISTRATION REPORT,

### MADRAS PRESIDENCY,

NORTHERN CIRCLE, 1910-1911.


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# FOREST ADMINISTRATION REPORT
## OF THE NORTHERN CIRCLE.

FOR THE

FOREST YEAR ENDING 30TH JUNE 1911.

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## CHAPTER I.—CONSTITUTION OF STATE FORESTS.

### 1. ALTERATION IN AREA.

The following shows the changes in forest areas :—

| Class. | Area on 1st July 1910. | Added during the year. | Excluded during the year. | Net increase or decrease. | Area on 30th June 1911. |
|---|---|---|---|---|---|
| | SQ. MILES. | SQ. MILES. | SQ. MILES. | SQ. MILES. | SQ. MILES. |
| Reserved Forests .. .. .. .. | 5,808 | 228 | 10 | + 218 | 6,026 |
| Do. Lands .. .. .. . | 130 | 599 | 5 | + 594 | 724 |
| Leased Forests .. .. .. .. | 63 | .. | .. | .. | 63 |
| Total .. | 6,001 | 827 | 15 | + 812 | 6,813 |

The changes exhibited are for the greater part administrative. 217¼ square miles of reserved forests were transferred from the Kadiri Range of the Central Circle to *Anantapur* District. 540 square miles of reserved lands were transferred from the Central Provinces to the *Upper Gódávari* whilst 49 square miles of reserved lands were notified during the year in *Anantapur*.

2. The total forest area under the control of the department was 6,813 square miles, which (excluding zamindaris and inams) is 25·33 per cent. of the total area.

### 2. FOREST SETTLEMENT.

3. Ten blocks (93 square miles) remained to be constituted reserved forests at the commencement of the year. Progress in settlement was slow for, though 11 square miles in five blocks were added during the year, only two blocks (5 square miles) were notified under section 16 during the year. Settlement was however completed in four blocks (77 square miles) leaving a balance of nine blocks of 22 square miles under settlement.

The blocks pending completion of settlement are in *Vizagapatam* (one of 10 square miles) and *Anantapur* (six of 11 square miles) and small blocks in *Bellary* and *Kurnool West.*

### 3. DEMARCATION.

4. During the year, 116 miles of external demarcation were carried out, of which 83 miles are in the Pondakhol forests in *Ganjám.* These forests were reserved in 1906 and it has not been explained why the length of line to be demarcated was not shown in the previous returns in column 6 of Form 67. *Kurnool West* and *Anantapur* are responsible for the balance of new work. In *Kurnool West* the heavy expenditure is attributed to the hilly nature of Gani reserve and the number of cairns required.

### 4. FOREST SURVEYS.

*(a) By Survey of India.*

5. No new work was undertaken during the year, but 17 standard sheets relating to *Gonjám* on 4″=1 mile scale were published, and two were in the press. The Circle is much hampered by the want of proper maps as, up to date, surveys have only been completed for the Nallamalais of *Kurnool*, parts of *Ganjám*, the *Upper Gódávari* and parts of *Lower Gódávari.*

### (*b*) *By Departmental Surveys.*

6. No departmental surveys of the Reserves have been carried out but, in *Upper Gódávari*, the survey of dupati lands being conducted by the Madras Revenue Survey Department was placed in charge of the District Forest Officer from the 1st April. Since that date twenty villages have been surveyed and the records sent to the Revenue Survey Office for being checked and set up. The cost of this survey during the year was Rs. 4,206.

In *Ganjám* 135 miles of boundary line round Buguda and Chokkapad blocks were surveyed with a view to the notification of these blocks.

In *Gódávari Upper* 129¼ miles of line between the ryotwari and malguzari lands were surveyed departmentally at a cost of Rs. 59, but the work remained incomplete owing to the illness of the surveyors.

Throughout the circle a large variety of survey work was done by Rangers and Surveyors and Draughtsmen. This consisted of such work as verification of boundaries, alignment of roads and fire lines, survey of coupes and plantations, mapping, and preparation of estimates for roads, buildings, etc.

# CHAPTER II.—MANAGEMENT OF STATE FORESTS.

## 1. Regulation of Management.

### (*a*) *Preparation and Control of Regular Working Plans.*

7. *Preparation.*—The working-plan for 112 square miles in Harpanahalli Range in *Bellary* District, prepared in the previous year, was sanctioned in April 1911.

In *Vizagapatam* the revised working-plan for Senivaram reserve received sanction.

In *Upper Gódávari* those for Bhadrāchalam and Marrigudem are still hanging fire having been returned for the collection of further grazing statistics.

In *Lower Gódávari* the final working-plans for Coringa and Kandikuppa have not yet been prepared.

In *Kistna* the revised working-plan of Gopuvanipalem was completed but returned by the Board. Plans for the Bezwada and Ellore Ranges were also prepared but returned by the Conservator for revision, whilst statistics are being collected for another 65 square miles. This division has made considerable progress and should show a good outturn next year.

In *Bellary* no progress was made with the Sandúr working-plan on account of the change of officers. In other districts little or no progress has been made.

Want of suitable maps and also of a special Working-plans Officer is the cause of slow progress.

8. *Control.*—The prescriptions of the sanctioned working-plan have been generally adhered to except in the *Ganjám* District.

In that district the cyclone of 1909 and damage done by fungus and borer caused deviations in Agastinowgam. Want of demand is said to be the cause of a departure from the provisions of the Plan in respect of the extraction of dead sâl in Mojjagoda and Kukuluba Ranges, whilst it was found more convenient to supply sâl coppice from unreserves than the working-plan area. Similarly the main provisions of the working-plan with reference to improvement fellings have not been carried out, whilst the Mohiri working-plan has been given up for some years. From what is said in excuse for these deviations, it seems evident that a complete revision of the various working-plans is necessary.

In *Gódávari Lower* the working-plan of Peddapur Range was not worked up to as regards the extraction of timber, whilst in Kandikuppa and Bendamurlanka dead casuarina trees had to be worked from coupes other than those prescribed.

Both in *Bellary* and *Anantapur* cultural operations far beyond the areas contemplated in the working-plan were undertaken owing to a special grant.

There is no doubt that in the whole Circle there is a want of control over the working-plans though exception must be made in the case of *Kurnool West* and *Bellary*. Both in *Ganjám* and *Lower Gódávari*, the Control Journals for a long series of years though called for have not been submitted.

(*b*) *Annual Plan of Operations.*

9. The sanctioned plans were generally followed except as detailed under working-plans above and in the following instances :—

In *Ganjám* only 12½ miles of road were constructed. Wrong estimation and delay in preparation of proper estimates were the causes of short work.

Under buildings also there was a shortage of work due to failure of contractors and the pushing on of demarcation in Pondakhol.

The works left undone were—

(1) Construction of Deputy Rangers' quarters (5) in Pondakhol.

(2) Construction of two Range offices and quarters at Tarsingi.

In *Vizagapatam* Senivaram rest-house was not completed for want of labour and supervising staff. The demarcation of Sarugudu and Somaralli blocks was deferred for want of settlement and the demarcation of Chintapalle for want of establishment. This block was finally settled many years ago.

In *Lower Gódávari* there were several important deviations from the programme of work, the chief works not carried out were :—

Roads—(1) Branch road to Mallavaram.
(2) Maintenance of three roads in Peddapur.
(3) Cart-track from Chedur to Ravigudem.

Buildings—(1) Outhouses and kitchen at Rajavommangi.
(2) Forester's quarters at Mallavaram.
(3) Flooring of Mulagalampalli rest-house.

Fuel operations in Mallavaram.

Cultural operations in Rajahmundry and Delta Ranges.

Various causes for delay are assigned, but a little more push seems requisite.

In *Gódávari Upper* many works were not carried out, but the District Forest Officer was hampered by large surveys and want of labour.

In *Kistna* no progress was made on two important roads as sanction was received late in the year.

In *Kurnool East* very little progress was made on roads and buildings for want of labour.

In *Kurnool South* the requirements of the Guntúr depot were over-estimated. Repairs to roads were not carried out in Gundlakamma Range and several buildings were postponed for want of funds.

In *Kurnool West* improvement felling work was in arrears in Nandyal and some of the Yerramalais coupes remained incomplete.

In *Bellary* (*a*) Felling of 15,000 Hardwickia poles was not carried out for want of sale of a trial consignment.

(*b*) Only 1,600 out of 3,000 tons of fuel were cut in Ramandrug for want of labour.

(*c*) Construction of two roads was postponed, not being immediately required.

(*d*) Construction of Forest Guards lines at Donimalai and rest-house in Anthapur valley was deferred for want of funds.

In *Anantapur* several roads were not constructed for want of establishment and none of the four rest-houses were completed.

## 2. Communications and Buildings.

10. The following figures compare the outlay on communications and buildings.

| | 1909-1910. | 1910-1911. |
|---|---|---|
| | RS. | RS. |
| Roads and bridges ... ... ... ... ... | 25,191 | 30,898 |
| Buildings ... ... ... ... ... ... ... | 79,216 | 68,875 |
| Other works ... ... ... ... ... ... | 7,374 | 7,255 |

showing an increase under Roads but a decrease under Buildings. The latter is to be deplored as it occurs chiefly in *Lower Gôdávari* and *South Kurnool* where a development in this direction is much needed.

### (a) *Roads and Bridges.*

The important works of a permanent nature carried out were the following :— *Ganjám.*—Construction of 12½ miles of new road, part construction of the wooden bridge across the Odangi. *Lower Gódávari.*—Construction of two miles of Chedur-Ravigudem road. *Kurnool East.*—Repair of Peddamantrala Ghát road and Papi-nenipalli-Pogabada road. The small amount spent on these important roads is to be regretted. *Kurnool South.*—Extension of Diguvametta-Isukagundam road by nine miles and repair of Nandikanama Ghát road for five miles. *Kurnool West.*—Improvement to Mantralakanama Ghât, and Pecheruvu-Rollapenta road. In *Anantapur* repair of Penukonda bridle-path.

*Tramways.*—The Monorail in the Bendamurlanka plantation was not worked, the fuel contractor having used other means of transport. The plant is deteriorating and might be made available for another District. It worked at profit for two years and thereafter at a loss as shown below :—

| | Profit. | Loss. |
|---|---|---|
| | RS. | RS. |
| 1905–1906 ... ... ... ... ... ... | 464 | ... |
| 1906–1907 ... ... ... ... ... ... | 506 | ... |
| 1907–1908 ... ... ... ... ... ... | ... | 317 |
| 1908–1909 ... ... ... ... ... | ... | 480 |
| 1909–1910 ... ... ... ... ... ... | ... | 365 |
| 1910–1911 ... ... ... ... ... | ... | 240 |
| | 970 | 1,402 |
| Net loss ... | 432 | |

### (b) *Buildings.*

The important works of a permanent nature executed during the year were—

*Ganjám.*—Completion of Range offices and Range officers' quarters at Buguda and Gazilbadi; part construction of Deputy Rangers' quarters and shops in Pondakhol Range.

*Upper Gódávari.*—Part construction of rest-houses at Kunavaram and Murmur.

*Kistna.*—Part construction of a Range and Subordinates' quarters at Dongamarlabhavi.

*Kurnool East.*—Completion of Deputy Rangers' quarters at Peddachama and Telugurayanicheruvu; the Range offices and quarters at Dornal and Markapur have not yet been completed. Some progress has been made with the rest-house at Telugurayanicheruvu.

*Kurnool South.*—Completion of rest-house and out-houses at Lokki. Combined Range office and quarters for two Rangers at Giddalur were started. Owing to failure of the contractor the Range office and two inspection houses in Sirvel remained incomplete.

*Kurnool West.*—Rest-houses at Nagaluti and Pecheruvu were nearing completion at the end of the year.

Subordinates' quarters were constructed at Rudracode and Pangidi and progress made with those at Nagaluti, Pasarutla and Sudam.

In *Bellary*, rest-houses were constructed at Copper Mountain and Kudligi, and Forest Guards' lines at Molagavalli.

In *Anantapur*, considerable progress was made with the rest-houses at Muchukota and Kuderu; but neither were finished. The Tadpatri range office was completed. The Ramagiri and Paliem rest-houses were started.

### (c) *Miscellaneous Works.*

These works were very varied and consisted of repairs to tanks, digging and repairing wells, fencing, walling of rest-houses, erection of a syphon at Pecheruvu and construction of a masonry channel at Sudam.

## 3. Protection of Forests.

### (a) *General Protection.*

11. The following statement shows the number and classification of Forest offences brought to light during the year :—

| Class. | Injury to forests by fire. | | Unauthorised felling or appropriation of wood and minor forest produce. | | Grazing without permission or in tracts in which grazing is prohibited. | | Other offences. | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1909-10. | 1910-11. | 1909-10 | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. |
| 1. Cases taken into court. | 11 | 13 | 846 | 1,104 | 407 | 495 | 106 | 82 | 1,370 | 1,694 |
| 2. Cases compounded .. | 6 | 16 | 1,551 | 1,807 | 1,259 | 982 | 187 | 166 | 3,003 | 2,971 |
| 3. Cases undetected .. | 133 | 183 | 107 | 127 | 96 | 146 | 9 | 8 | 345 | 464 |
| Total .. | 150 | 212 | 2,504 | 3,038 | 1,762 | 1,623 | 302 | 256 | 4,718 | 5,129 |

The number of cases reported was slightly higher than last year but slightly less than the average. 738 cases were pending at the beginning of the year to which were added seven on transfer of Kadiri Range from Central Circle making a total of 745 cases. 845 cases were pending at the end of the year of which 335 were with Magistrates.

12. Out of the cases brought to trial during the year 1,505 ended in conviction and 283 in acquittal against 1,248 and 226 respectively in the previous year, the percentage of failure being 15·83 against 15·33 in the previous year.

*Conservator's Remarks.*—There is nothing remarkable about these figures and on the subject of protection the annual reports are becoming almost hum-drum. Protection, however, is in several of the divisions visited becoming a reality, notably in the Nallamalais of Kurnool. Whereas 20 years ago offence was discovered daily by Superior Officers, there are now very few traces of offence to be seen.

### Closure of forests to grazing for not reporting or preventing illicit grazing or other offences on a large scale

(*paragraph* 3 *of Board's Proceedings, Forest No.* 186, *dated* 10*th August* 1911).

13. The following is the précis of Collectors' reports on this subject :—

*Ganjám.*—The system is not feasible as large areas of unreserves for grazing are available. Khonds are held responsible for the protection of the forests on pain of their concessions being cancelled.

*Vizagapatam.*—The system has not been adopted as offences on a large scale are not as a rule committed.

*Upper Gódávari.*—The system is not feasible as the cattle of any village can graze in any of the reserves, provided a permit has been taken. Groups of villages the inhabitants of which should regularly graze their cattle in a particular reserve are being arranged and the system referred to in the Board's Proceedings will be gradually introduced and the results reported in future administration reports.

*Lower Gódávari.*—Owing to frequent changes of Range officers no definite information could be gathered. However effort will be made to collect information with a view to introducing the principle as a measure for fire protection next hot weather.

*Kistna.*—An investigation into the number of forest offences in different reserves for the past five years disclosed no necessity for any action.

*Kurnool East.*—No mention has been made on this subject in the report.

*Kurnool West.*—Effect has been given to Board's orders by issuing a notice in the District Gazette allotting portions or blocks of forests to the neighbouring villagers to assist in keeping out fires. The result will be reported in the next year's report.

*Bellary.*—Necessary notification was published in the District Gazette of May 1911 and the villagers warned; it is too soon to report the result.

*Anantapur.*—There are no such villages in the district.

*Conservator's Remarks.*—The season has been on the whole very favourable and no cases in which offences have been committed on a large scale have been brought to notice.

14. Two thousand three hundred and forty-five cases were compounded for Rs. 26,533 during the year against 2,876 for Rs. 27,327 in 1909–1910.

15. Report was made to the Board regarding the proposal to extend the system of rewards, but little or no use was made of the existing rules concerning their grant.

### (*b*) *Protection from Fire.*

16. The areas attempted and protected are given in Form No. 72. The system of protection was not altered, but was extended in some places. In *Ganjám* the season was favourable and practically the whole of the protected area was saved, whilst it is estimated that 92 per cent. of the unprotected area was saved. This success is attributed in part to the widening of the fire lines and partly to the willingness shown by the Khonds to assist in protection.

In *Vizagapatam* the season was also favourable, but this does not account wholly for the great success which attended the operations, for the Palkonda Range entirely escaped fire and there no timely showers occurred. Out of 112,284 acres under special protection only 939 were burnt and in a great measure this was due to the better protection of the Dharakonda and Senivaram reserves by the opening out of the Northern and Eastern fire lines. In the unprotected area 6,405 acres out of 72,795 acres were burnt.

In *Upper Gódávari* in the protected areas only $2\frac{1}{4}$ square miles were burnt as compared with $218\frac{3}{4}$ square miles in the preceding year. The season and greater watchfulness on the part of the subordinates account for these results.

In *Lower Gódávari* fires were almost as numerous as usual and the reports concerning them are considered unreliable.

In *Kistna* only 1 out of 73 square miles was burnt, but there were nine fires in the specially-protected Kondapalli reserve.

In the three divisions of *Kurnool* there was a remarkable immunity from fire in the protected blocks of the Nallamalais—in the *East* only 305 out of 25,650 acres were burnt, in the *South* 15 square miles out of 253 square miles were burnt, and in the *West* 46 square miles out of 260 square miles were burnt. Here the fires occurred in the Terai of the Velgode Range. In the Gundlabrahmeswaram hill Range the immunity from fire was most remarkable.

The civilisation of the Chenchus is making rapid strides and it is a marvellous fact that in *South Kurnool* the Chenchu women wished to stop the collection of *Ippa* (*Bassia Latifolia*) flowers so as not to encourage the drunken habits of the men.

In Owk Range of the Yerramalais protection was a failure, due to the negligence of the Ranger, and several coupes were burnt through fire escapes. In the West Kurnool Yerramalais there were several instances of incendiarism by sheep-graziers. In *Bellary* the operations were far from successful as the chief protected area is in Sandur where more than a quarter of the protected area was burnt.

In *Anantapur* only 194 square miles are protected and 558 unprotected. In the former 12 per cent. was burnt by 49 fires and in the latter 10 per cent. by 123 fires. The results are better in the unprotected area because, owing to heavy grazing, there

was less grass. Through both causes enormous damage is done. The Collector considers the system of protection might be improved by extending the protection of interior lines. The dead fences are also a source of danger and 26 miles of fencing were burnt.

17. Rs. 61,072 were spent on fire protection during the year. The area dealt with was 2,397 miles against 2,079 miles in the previous year, of these 2,104 square miles were successfully protected against 1,606 square miles in the previous year, the proportion of failures fell from 22·75 per cent. to 12·22 per cent. during the year and the cost per square mile successfully protected from Rs. 37–10–1 to Rs. 29–0–5.

18. The following statement shows the number and origin of fires in the several districts :—

| District. | A. Fires caused by accident or through carelessness in burning fire lines | | B. Fires entering the forests by crossing exterior fire traces. | | C. Fires beginning inside the reserves or fire-traced areas. Owing to carelessness or accident: By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters. | | By villagers, travellers, etc., passing through the forests. | | By railway engines. | | By lightning or by fire-balloons. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number of fires. | Area burnt in acres | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Ganjám .. .. .. | 6 | 84 | 9 | 16,450 | .. | .. | 10 | 441 | .. | .. | .. | .. |
| Vizagapatam .. .. | 1 | 3 | .. | .. | 1 | 10 | 6 | 31 | .. | .. | .. | .. |
| Gódávari Upper .. | 2 | 108 | 2 | 1,293 | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. Lower .. | .. | .. | 7 | 835 | 1 | .. | 12 | 289 | .. | .. | .. | .. |
| Kistna .. .. .. | 1 | 2 | .. | .. | .. | .. | 5 | 185 | .. | .. | .. | .. |
| Kurnool, East .. .. | .. | .. | 4 | 1,740 | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. South .. .. | 5 | 608 | .. | .. | .. | .. | 8 | 7,024 | 1 | 96 | 1 | 314 |
| Do. West .. .. | 3 | 630 | 2 | 74 | .. | 26,888 | 34 | 65,103 | 2 | 1,005 | .. | .. |
| Bellary .. .. .. | 1 | 10 | .. | .. | .. | .. | .. | .. | 2 | 455 | .. | .. |
| Anantapur .. .. | 2 | 7 | 1 | 278 | 2 | .. | 3 | 115 | .. | .. | .. | .. |
| Total .. | 21 | 1,452 | 25 | 20,670 | 4 | 26,898 | 78 | 73,188 | 5 | 1,556 | 1 | 314 |

| District. | C. Fires beginning inside the reserves or fire-traced areas—*cont.* By intentional firing: In order to obtain new grass. | | In order to turn out game or to reduce cover. | | Maliciously fired. | | Total. | | Causes unknown. | | Total of A, B and C. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. |
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Ganjám .. .. .. | .. | .. | .. | .. | 11 | 767 | 21 | 1,208 | 59 | 5,467 | 95 | 23,209 |
| Vizagapatam .. .. | .. | .. | .. | .. | .. | .. | 7 | 41 | 2 | 7,300 | 10 | 7,344 |
| Gódávari Upper .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 50 | 5 | 1,451 |
| Do. Lower .. | .. | .. | 1 | 500 | .. | .. | 14 | 789 | 12 | 128 | 33 | 1,752 |
| Kistna .. .. .. | .. | .. | .. | .. | .. | .. | 5 | 185 | 7 | 432 | 13 | 619 |
| Kurnool, East .. .. | .. | .. | .. | .. | .. | .. | .. | .. | 4 | 305 | 8 | 2,045 |
| Do. South .. .. | 1 | 340 | .. | .. | 3 | 834 | 14 | 8,608 | 5 | 665 | 24 | 9,881 |
| Do. West .. .. | 10 | 374 | 3 | 2,472 | .. | .. | 49 | 95,842 | 37 | 61,574 | 91 | 158,120 |
| Bellary .. .. .. | .. | .. | .. | .. | 2 | 182 | 4 | 637 | 8 | 12,031 | 13 | 12,678 |
| Anantapur .. .. | 2 | 53 | .. | .. | 8 | 2,333 | 15 | 2,501 | 154 | 46,924 | 172 | 49,710 |
| Total .. | 13 | 767 | 4 | 2,972 | 24 | 4,116 | 129 | 109,811 | 289 | 134,876 | 464 | 266,809 |

### (*c*) *Protection from Cattle.*

19. Nine hundred and seventy-two square miles were closed against grazing against 814 square miles in the previous year. This is only one-seventh of the forest area. It is much to be regretted that the dry districts of *Kistna*, *Bellary* and *Anantápur* have still large areas open to goat browsing. These are just the districts in which the greatest harm must arise from such a course.

20. The following statement gives an analysis of the cattle impounded during the year with the average for the three years preceding :—

| District. | From open forests. | | From closed forests | | | | Total. | | Average for three years ending 1909–1910. |
|---|---|---|---|---|---|---|---|---|---|
| | | | Holding permits from open forests. | Having no permits. | Holding permits from open forests. | Having no permits. | | | |
| | 1909–1910. | 1910–1911. | 1909–1910. | 1909–1910. | 1910–1911. | 1910–1911. | 1909–1910. | 1910–1911. | |
| Ganjám .. .. | 3,448 | 1,958 | .. | 450 | 1,439 | 564 | 3,898 | 3 ,961 | 3,091 |
| Vizagapatam .. | 2,555 | 605 | .. | 68 | .. | 2,136 | 2,623 | 2,741 | 2,404 |
| Gódávari, Upper. | 13 | .. | .. | .. | .. | .. | 13 | .. | 57 |
| Do. Lower. | 1,154 | 633 | .. | 135 | .. | 600 | 1,289 | 1,233 | 995 |
| Kistna .. .. | 1,591 | 2,461 | 639 | 1,306 | 361 | 1,020 | 3,536 | 3,842 | 3,608 |
| Kurnool, East .. | .. | 2,738 | .. | .. | .. | .. | .. | 2,738 | .. |
| Do. South. | 5,543 | 7,440 | .. | 3,652 | .. | 1,035 | 9,195 | 8,475 | 8,843 |
| Do. West .. | 9,308 | 12,810 | | 4,249 | 35 | 3,287 | 13,557 | 16,132 | 18,140 |
| Bellary .. .. | 12,287 | 7,388 | 2,178 | 2,727 | 471 | 1,278 | 17,192 | 9,137 | 19,466 |
| Anantapur .. | 9,780 | 5,867 | .. | 1,490 | 21 | 1,240 | 11,270 | 7,128 | 10,735 |
| Total .. | 45,679 | 41,900 | 2,817 | 14,077 | 2,327 | 11,160 | 62,573 | 55,387 | 67,339 |

The decrease in *Bellary* is striking and is attributed to a plentiful supply of grass and levy of enhanced pound fees in some closed blocks. The fall in *Anantapur* is not explained.

### (*d*) *Protection against Injuries from Natural Causes.*

21. The spread of root fungus (*Trichosporum vesiculosum*) in the *Ganjám* casuarina plantations has been checked by the introduction of broad-leaved species. The borer (*Arbela tetraonis*) continued to spread but the trees, though weakened, do not die. In *Upper Gódávari*, the attack by *Jassids* was inconsiderable. The *Xylia dolabriformis* borer has not been identified. In *Lower Gódávari* there was heavy mortality in the casuarina plantations. This is said to be due to the clay sub-soil rather than to attack by fungus.

In similar plantations in *Kistna* the attack both of fungus and borer has been arrested by the burning of debris after felling and the admixture of broad-leaved species. In the *West Kurnool* plantations small attacks of *Hyblœa puera* and *Pyrausta machaeralis* were noticed on teak. The leaves of *Pterocarpus Marsupium* were also attacked apparently by the latter. The attacks are as severe in the mixed as in the pure plantations. In *Anantapur* considerable damage was done by hares in the areas subjected to cultural operations.

## 4. SYLVICULTURE.

### (*a*) *Natural Reproduction.*

22. From *Ganjám* reproduction from seed in the Sâl forests is reported to be good but the growth of the seedlings slow, whilst coppice regeneration in the coupes is excellent.

In *Vizagapatam* coppice reproduction continues to be excellent in the coupes whilst, throughout the division but more especially in the moist areas, regeneration from seed is good. In the two divisions of the *Gódávari*, the reproduction of *Xylia dolabriformis* and *Anogeissus latifolia* is reported to be specially good in the hill tracts, whilst that of *Terminalia tomentosa* and teak is good. In the Upper division *Hardwickia binata* did not seed. In the Lower division *Avicennia officinalis* is said to reproduce well where conditions are favourable more especially in parts of the Coringa reserve.

In *Kistna*, the reproduction of *Chloroxylon swietenia*, *Anogeissus latifolia* and *Acacia sundra* is reported to be good in Bezwada Range, whilst in Ellore reproduction was uniformly good in all unburnt areas. In this division the reproduction of *Avicennia officinalis* is good in all the mangrove swamps except those on the Upputeru where it is only moderate.

In the divisional reports of *Kurnool*, very little information is given on this subject but in the course of my tours in the South and West divisions I have been surprised to see the splendid natural regeneration of *Dalbergia latifolia*, *Pterocarpus marsupium*, teak and *Terminalia tomentosa* in every area which has escaped fire in the Nallamalais. In both these divisions the coppice from hardwood stools is excellent. In the Yerramalais regeneration from coppice is stated to be good in some of the blocks.

In the Sandur Range of *Bellary* District there is a noticeable growth of Sandal and Satinwood seedlings. Within the fenced areas natural reproduction is good, but in areas open to grazing there is hardly any natural reproduction.

Regrowth from coppice is reported to be good, more especially that of *Anogeissus latifolia* in the Kakuppi reserve. *Cassia fistula* produces excellent sucker shoots when the roots are wounded.

In *Anantapur* natural reproduction is good wherever there is a little shade and a few seed bearers.

Reproduction of *Hardwickia binata* is very good in parts of the Malappakonda, Amagondapaliem and Kottakota reserves.

### (*b*) *Artificial Reproduction.*

23. Form 75 has been prepared in consonance with previous years. It has however evidently been incorrectly kept for a series of years. It stands to reason that in such districts as *Ganjám*, *Lower Gódávari*, *Kistna* and *Kurnool* where watering is a necessity the cost of upkeep must be far greater than the cost of creation in the case of regular plantations.

*Regular plantations.*—In the three divisions of *Kurnool* the additions are to the regular plantations of Teak, *Pterocarpus marsupium*, *Melia azadirachta* and *Terminalia tomentosa*. In *Ganjám*, *Kistna* and *Bellary* the additions are to the plantation of Casuarina mixed with broad-leaved species, whilst in *Gódávari Lower* casuarina has been planted pure. The plantations of *West* and *East Kurnool* have been formed with a view to giving employment to the Chenchus and in this respect they have succeeded admirably. Those of the West Division were inspected by the Acting Conservator who is of opinion that, in spite of somewhat high initial expenditure, they are likely to prove a financial success. The growth throughout is good and in some parts excellent. Pecheruvu, however, must be excepted as there the marshy and poor soil is unsuited to teak. An area of 77 acres has been excluded for those parts where the plantation failed.

In *Bellary*, the Moka plantation of Casuarina has not done as well as might have been expected. *Dalbergia sissoo* has however done excellently. The other plantations are reported to be doing well.

On the whole the progress made with regular plantations was good, 549 acres as compared with 370 acres last year.

*Cultural operations*—*Ganjám.*—Mound sowing in Chatrapur Reserve proved almost a total failure. *Upper Gódávari.*—In the Bhadráchalam Range over 203 acres there are 13 established plants per acre of Teak, *Pterocarpus marsupium* and Rosewood. In Marrigudem the area treated is 400 acres and the results are better showing 43 plants of the same species per acre. In Bhadráchalam the result is poor, only five plants per acre over 215 acres survive. *Lower Gódávari.*—Two hundred and forty-two acres of Coringa Reserve were sown with *Avicennia officinalis* but with poor results. *Kistna.*—In Bezwada Range coupe sowings resulted in failure. Similar sowings in Ellore Range were more successful. Babul sowings in this district were also a failure. *Kurnool East.*—At Maddipenta plants in bamboo tubes were put out over an area of 18 acres but with doubtful success. More success attended a similar operation at Chinnamantrala over 6 acres. *Kurnool South.*—Mound and trench

sowings in owk Range germinated well but died in the hot weather. Some of the coupes were burnt. *Kurnool West.*—Mound and trench sowings were carried out over an area of 140 acres in the Yerramalais. About 20 per cent. of the plants on mounds and 30 per cent. in trenches came up. The trenches at present. give the best results, especially when shaded in the hot weather. In the Nallamalais mound sowing was started at Indereswaram to provide work for the Chenchus. Out of 21 acres prepared with mounds, rather over 10 were sown during the year. Near Sivapuram 160 acres were dibbled. Germination was very successful. Most of the plants died down during the hot weather but began to sprout again after the rains. *Bellary.*—The operations in this district were very extended and consisted of dibbling in hill areas, and mound and furrow sowing in the plains. Mound sowings gave the best results. Furrow sowings succeeded in some localities and failed in others. In the North-east block of the leased forests, 50 acres were sown with Sandal near Ramkolla. Germination was successful but the seedlings were killed by fire. *Anantapur.*—Mounds, pits and dibbling were tried in all Ranges with varying success. Some of the areas under regeneration were burnt, others were damaged by hares and rats. In many places seedlings after dying down sprouted again during the rains. During the year there was no conspicuous success, but no total failure.

*Remarks by Conservator.*—These operations are one of the chief features of the Circle. The results are not apparent for two or three years as a rule. Splendid results have been obtained by mound sowing in Banavasi (Bellary district) where there is now an established plantation chiefly of *Melia Azederachta* and *Albizzia Lebbek* over about 400 acres and this has been done at a cost of little more than Rs. 4 per acre. Owing to a special grant, over 900 acres were treated in the same way and bid fair to become a success. Good results have also been obtained in the same Range in Kupgal where 939 acres have been prepared with mounds and sown. In Alur taluk on the other hand, sowings on black-cotton soil have not been at all successful, no care having been taken to fill up the cracks formed during the hot weather. The most remarkable result of these operations in *Anantapur* has been the establishment of Sandal in two places in Amagondapaliem reserve at a suitable elevation of 2,200 feet. The trees are now about five years old. The District Forest Officer reports that it has also been successfully introduced in Madakasira range. The Collector has not commented on the marked success which has been obtained at Pecheruvu in West Kurnool in aiding artificially the natural reproduction of this valuable tree. As this place is known to produce scented wood, these successful operations may well be regarded with pride.

*Terracing and the bunding of streams and gullies.*—The terracing and planting up of the Conservator's compound at *Waltair* has been continued. In the older parts canopy has become established in places. Unfortunately, a small piece has had to be cut for the building of the District Forest Officer's bungalow. Eleven acres were planted and, with a view to early establishment of cover, some large plants of *Ficus Elastica* have been put out and these promise well. *Ganjám*—An attempt was made to arrest the silt being washed down. Bunds of earth supported by a bamboo frame work supported by uprights were erected over an area of 233 acres. The abnormally heavy rains in October caused some of the bunds to be breached, but there is promise of future success now that the bunds have consolidated. *Bellary*—Small rough stone dams across streams were erected in several ranges at a cost of Rs. 300. Results are not given. *Anantapur*—Bunding of streams was discontinued.

*Remarks by Conservator.*—The most remarkable results of the bunding of streams were observed by the Conservator in the Adóni East reserve of Bellary District. Small roughstone bunds were constructed in 1908 and have been maintained. Along one stream the water disappears in four places but reappears as springs lower down. The whole water course consisting of rough boulders has covered itself with a bushy growth of evergreen and at the head waters a small patch of evergreen forest, in which two saplings of *Dalbergia Latifolia* were noticed, has established itself. Three other streams have been similarly treated and in several places small marshes have formed behind the bunds. Undoubtedly the flow of water has been arrested. The total cost has been only Rs. 80. Natural regeneration along the streams is being aided artificially.

### (c) *Operations for the Improvement of Growing Stock.*

24. In addition to the ordinary works of improvement—

*Creeper cutting.*—Is carried out in *Ganjám* by the subordinates, Khonds and fire patrols. In *Kistna* the same operation is carried out prior to felling in fuel coupes and in *Kurnool West* is done in conjunction with improvement fellings.

*Fencing.*—Closed compartments are systematically fenced in *Bellary*, *Anantapur* and *Kistna* and in the Yerramalais of *Kurnool*. Part of the Gadidemadugu reserve, where a stone wall has been completed, shows a great deal of natural regeneration

### (d) *Experiments.*

#### (i) *On Species.*

25. *Sandal.*—Tests are being made in the Waltair compound to ascertain the best hosts. The experiments are still in their infancy, but it is found that the Sandal grows excellently with *Pongamia Glabra*, *Dalbergia Sissu*, *Ficus Religiosa*, *Orange* and *Acacia Leucophlœa*. *Ficus Elastica* has been found to be a bad host.

*Mahogany.*—At Waltair the old trees of both species are doing well, but the best results are to be found in the plantations of *Kurnool West* where trees of five years old are 25—30 feet high. Plants have now been introduced in all the plantations except Pecheruvu and are doing well.

*Red Sanders* (*Pterocarpus Santalinus*).—This tree is also being tried in the plantations of *West Kurnool*, but the plants are still young. Sowings in the Yerramalais were not successful, but basketted plants are doing fairly well and 50 out of 66 plants survive. In *Ganjám* about one acre was planted during the last four years and the plants are growing extremely well. Of the older trees left standing after the cyclone the largest is 55 feet high and has a girth of 3 feet 7½ inches.

*Padauk* (*Pterocarpus Indicus*).—Seed was received and some sent to Bellary, but no results have been reported.

*Logwood* (*Hœmatoxylon Campechianum*).—At Waltair the old trees are doing fairly well but are straggly. Some seedlings have again been put out on the terraces.

*Camphor.*—A few plants remain, but are not doing very well.

*Catalpa Speciosa.*—166 plants survive in the Moka plantation in *Bellary*. They were planted in 1909–1910 and are about 1½ feet high. In *Ganjám* 9 plants still survive.

*Rubber*—(1) *Ficus Elastica.*—A good number of plants have been put out in *Waltair* this year and are doing well. In the older plantations many still remain but are not making much progress.

(2) The *Ceara* trees in *Ganjám* are reviving in spite of being so severely damaged by the cyclone. Seedlings are coming up in large numbers.

(3) The *Para* trees in *Vizagapatam* are not thriving. A mistake was made in planting them under shade, but the shade has now been removed.

*Hardwickia Binata.*—The trees in the sample plots in *Anantapur* for ascertaining the rate of growth of this tree and also of *Chloroxylon Swietenia* were measured and the girth measurements recorded in July 1911. The measurements have evidently been inaccurately made for in many instances there is a decrease in size.

In *Bellary* the rate of growth of trees sown in Rayachóti has not been reported on, but it has been ascertained that in the area sown in 1906, one tree started a leading shoot in 1908 and now, at five years old, the great majority of the trees are 8 feet high. This rate of growth is not in consonance with the figures published by the Research Department. Valuable statistics might be obtained in this district both from Rayachóti and Kupgal as regards the rate of growth of this tree.

#### (ii) *Grass Experimental Plots.*

These have all been abandoned in accordance with the orders of the Board. By the apathy of those in charge of the experiments some valuable statistics have been lost.

## 5. Exploitation.

### (a) System of Management.

#### (i) *Major Forest Produce.*

##### (1) *Clear or Regeneration Fellings.*

26. Two coupes of Casuarina in *Ganjám*, one in *Lower Gódávari* and four in *Kistna* with an area of 181 acres were clear felled. Two mangrove swamps in *Kistna* (4,274 acres) and 2,409 acres of babul in *Anantapur* were similarly treated.

##### (2) *Selection Fellings.*

27. In *Ganjám* dead sâl was removed departmentally from six blocks. The indent system as in last year was not much supported by purchasers. In *Kistna* soft wood was selected and sold to a contractor from two coupes. In *Kurnool* the collection of dead-wood prevails throughout.

##### (3) *Regular Thinnings.*

28. No regular thinnings are conducted, though, in several districts, bamboos are systematically worked and the clumps thinned out.

##### (4) *Improvement Fellings.*

29. These are confined to West Kurnool where 2,060 acres were dealt with under the regulations of the working-plan. The fellings consisted in cutting back ill-shaped trees of good species.

##### (5) *Coppice with Standards.*

Four coupes in *Ganjám*, nine in *Vizagapatam*, five in *Lower Gódávari*, four in *Kistna*, thirteen in *West Kurnool*, four in *Bellary* and four in *Anantapur* were worked under this method of treatment. The total area worked was 7,538 acres.

##### (6) *Unregulated Fellings.*

30. These were confined to bamboos in the *Upper Gódávari*, the unreserves and Rampa in the *Lower Gódávari*, Palmyras in *West Kurnool*, and the removal of unclassified trees in the Kadiri range of *Anantapur*.

#### (ii) *Minor Forest Produce.*

##### (1) *Miscellaneous Produce.*

31. In all districts seigniorage was collected on gravel, earth and other minerals. The usufruct of mango, tamarind, and other fruit trees was sold in auction; the collection of tangedu and other barks, honey, wax, myrabolams, hides, horns, etc., were leased. The chief deviations are noted below:—In *Ganjám*, most of the produce was left to the free enjoyment of Khonds, in *Vizagapatam*, hillmen were allowed to collect and sell to merchants in the weekly markets and seigniorage was collected from the purchasers. In the three divisions of *Kurnool*, the collections other than tangedu and amroy were made departmentally through the Chenchus. In *Bellary* the collection in Sandur Range was departmental.

##### (2) *Extraction of Fodder.*

32. In *Lower Gódávari* pasture lands in Cocanada taluk were leased. In *Kistna* the collection of fodder grass from closed areas was leased. In *South Kurnool* grass was collected departmentally and used for Government bulls. In *Kurnool West* free removal of grass was permitted in head loads. In *Bellary* Mr. Howes removed from *Bellary*, *Adoni and Rayadrug* Ranges 300 tons of grass free of charge. The Military department removed 806 tons paying a royalty of Rs. 2 per ton. In *Anantapur* a large quantity of grass was removed free and 4,836 head loads on seigniorage of 3 pies.

##### (3) *Hay-making and Silos.*

33. In *Kistna* about 40 tons of hay were collected but not sold for want of demand. In *Kurnool South* hay was collected and used for Government bulls. In *Bellary* Range 65 tons were collected and stored in *Bellary* depot as against 410 in the previous year.

(4) *Grazing.*

34. The subjoined statement compares the revenue from grazing :—

| | RS. |
|---|---|
| 1909–1910 ... ... ... ... ... ... ... ... | 2,08,168 |
| 1910–1911 ... ... ... ... ... ... ... ... | 1,86,285 |

There has been a falling off in almost all the districts but chiefly in *Kurnool, South* and *East*, *Kistna* and *Bellary*. In the former district the decrease is not explained. In *Kistna* the delta cattle are said to have come up in smaller numbers, whilst in *Bellary* a large number of goats are said to have gone over to Mysore.

(*b*) AGENCY OF EXPLOITATION.

(i) *Departmental Agency.*

35. Forms 76 and 77 show separately the different classes of produce collected and Form 78 the stock disposed of and the balance remaining. The total quantity of timber and fuel, the number of bamboos and the value of minor produce extracted departmentally were 69·93, 43·98 and ·3 of their respective total outturn through all agencies and the total value of disposals of the year was Rs. 3,48,378 against Rs. 3,50,936 in the previous year.

Transport was conducted in the same way as in previous year.

*Timber.*—The quantity of timber extracted was 18,000 c. ft. more than in 1908–1909 but 61,000 c. ft. less than 1909–1910. The districts chiefly responsible for the decrease are *Ganjám*, *Gódávari*, *Upper* and *Lower*, and *Anantapur*. The reasons assigned are non-disposal of stock and dull markets.

*Fuel.*—The quantity of fuel removed was 4,622,826 c. ft. against 4,229,585 in the previous year, the increase is due to larger demand. The increase is chiefly in *Anantapur*.

*Bamboos.*—The number of bamboos extracted was 6,767,523 against 5,822,686 in the previous year ; the increase is due to larger demand and was contributed by all districts except *Upper Gódávari* and *Bellary*.

*Minor produce.*—The produce collected was 176,645 maunds against 399,383 in the previous year ; the fall is due to want of crop.

(ii) *By Purchasers.*

36. The prepayment system was in force in *Upper Gódávari* for removal of produce for local consumption from reserves and in *Lower Gódávari* from unreserves and *Rampa*. Driftwood was sold in auction in both districts. In *Vizagapatam* purchasers were allowed to remove bamboos in reserved forests where the working of coupes was found impracticable or where the coupes were far away from localities of consumption.

(iii) *Rights and Privileges.*

37. The following statement shows the estimated quantity and value of produce removed under this head :—

| — | Timber | | Fuel. | | Bamboos. | | Minor produce. | Grazing. | Total value. |
|---|---|---|---|---|---|---|---|---|---|
| | Cubic feet. | Value. | Cubic feet. | Value. | Number. | Value. | Value. | Value. | |
| | | RS. | | RS. | | RS. | RS. | RS. | RS. |
| | 787 | 58 | 154,506 | 2,895 | 12,293 | 62 | 23,570 | 1,080 | 27,665 |

The value of the produce removed in the previous year was Rs. 27,489.

### (iv) *Free Grants.*

38. The following statement shows the quantity and value of produce removed by free grantees :—

| Timber. | | Fuel. | | Bamboos. | | Minor produce. | Grazing. | Total. |
|---|---|---|---|---|---|---|---|---|
| Cubic feet. | Value. | Cubic feet. | Value. | Number. | Value. | Value. | Value. | |
| RS. 76,009 | RS. 6,010 | | .. | 121,600 | RS. 718 | RS. 277 | .. | RS. 7,005 |

The value of the produce removed in the previous year was Rs. 8,466.

### (c) Outturn and Sources of Forest Produce.

| — | Timber in cubic feet including sandal wood. | | Fuel in cubic feet. | | Bamboos in numbers. | | Minor produce (including grass and grazing); gross value in rupees. | |
|---|---|---|---|---|---|---|---|---|
| | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| By Government Agency .. | 281,632 | 220,702 | 4,229,685 | 4,622,826 | 5,822,686 | 6,767,523 | 13,537 | 4,970 |
| By purchasers (including confiscation) .. .. | 758,609 | 784,011 | 1,260,824 | 1,066,885 | 10,508,242 | 8,484,399 | 5,28,564 | 4,26,461 |
| By right holders .. .. | 787 | 787 | 154,506 | 154,506 | 12,293 | 12,293 | 24,474 | 24,650 |
| By free grants .. .. | 77,597 | 76,009 | .. | .. | 93,367 | 121,600 | 349 | 277 |
| Total .. | 1,118,625 | 1,081,509 | 5,644,915 | 5,844,217 | 16,436,588 | 15,385,815 | 5,66,924 | (a) 4,56,358 |

(a) Corrected in the Board's office.

39. The variations have already been explained. The rates of grazing fees levied in the several districts are shown in Form 74. The number of animals licensed to grazing on permits was 1,077,607 against 1,173,333 in the previous year.

## CHAPTER III.—FINANCIAL RESULTS.

40. The financial results of the Circle compared with those of the previous year and with the average of the five years preceding show a net decrease of Rs. 86,583 and Rs. 2,54,976, respectively.

| — | Years. | | | | | Average per year. | 1909-10. | 1910-11. |
|---|---|---|---|---|---|---|---|---|
| | 1904-05. | 1905-06. | 1906-07. | 1907-08. | 1908-09. | | | |
| Revenue .. .. .. .. | RS. 8,66,523 | RS. 9,15,393 | RS. 9,62,381 | RS. 11,42,232 | RS. 10,48,787 | RS. 9,87,063 | RS. 11,23,128 | RS. 9,96,424 |
| Expenditure.—A. "Conservancy and works." | 3,59,025 | 4,41,695 | 5,55,749 | 6,16,043 | 6,43,235 | 5,23,149 | 7,36,482 | 6,92,695 |
| Expenditure.—B. Establishments .. .. | 2,73,518 | 2,94,453 | 3,33,840 | 3,79,201 | 3,97,767 | 3,35,756 | 4,26,881 | 4,30,547 |
| Total A and B .. | 6,32,543 | 7,36,148 | 8,89,589 | 9,95,244 | 10,41,002 | 8,58,905 | 11,63,363 | 11,23,242 |
| Net results .. | +2,33,980 | + 1,79,245 | + 72,792 | +1,46,988 | + 7,785 | + 1,28,158 | — 40,235 | *—1,26,818 |

* Excludes Rs. 1,915 being the net revenue over expenditure in Guntúr from sales of fuel and bamboos of Kurnool, South.

The gross receipts were slightly higher than the average but Rs. 1,26,704 less than in the previous year. The A expenditure shows a corresponding decrease.

The net results show a deficit of Rs. 1,26,818. This is due almost entirely to a falling off in the receipts from purchasers.

The total receipts and expenditure for the year fell by 11·28 and 3·45 per cent. respectively.

About 47 per cent. of the expenditure was devoted to the upkeep and improvement of the forests and 53 per cent. to exploitation, etc. It will be observed from Form No. 79 that the value of timber and other produce at sale depôts at the close of the year amounted to Rs. 1,99,200 which was Rs. 31,779 more than it was at the close of the previous year.

The outstanding revenue at the beginning of the year was Rs. 51,670 and the value of sales during the year amounted to Rs. 11,09,193. Out of the total of Rs. 11,60,864, Rs. 9,96,424 were collected, leaving an outstanding balance of Rs. 1,64,440 at the close of the year. Out of this Rs. 3,627 has since been collected, Rs. 1,278 is in deposit and Rs. 1,53,974 is due after the close of the year. It will therefore be seen that the amount actually left uncollected at the close of the year was only Rs. 5,561 ; out of this Rs. 4,585 relates to *Gódávari, Lower.*

### RECEIPTS.

(i) *By Departmental Agency.*

| | RS. | | RS. |
|---|---|---|---|
| *Timber* ... ... | — 11,376 | *Bamboos* ... ... | + 796 |
| *Fuel* ... ... | + 11,118 | *Minor produce* .. .. | — 3,096 |

The figures show that the variations are not large and the deficit under Timber is counterbalanced by increased receipts under fuel.

(ii) *By Purchasers.*

There is decrease under all heads but chiefly under timber—Rs. 39,965. This is entirely due to *Upper* and *Lower Gódávari.* In the former no contracts were taken up by merchants as in previous years, in the latter the large quantities felled in previous years are said to be in stock and causing a dullness in the market, whilst favourable terms are being offered by neighbouring zamindars. The prevalence of cholera is also said to have obstructed purchasers.

*Grazing and fodder grass—Rs.* 21,883.—There is a small decrease in almost every district but as pointed out above chiefly in *Kurnool, Kistna* and *Bellary.*

*Other produce—Rs.* 66,622.—The loss is due almost entirely to the poor sales of tangedu bark in *Anantapur, Bellary* and *West Kurnool.* In the first named district there is said to have been a " combine." In *Bellary* the loss of Jali (Babul Pod) revenue is considerable.

(iii) *Miscellaneous (including confiscated drift and waifwood).*

*Revenue +Rs.* 13,527.—The increase is due to keen competition in drift wood sales in *Gódávari, Lower,* and to better realization of compounding fees.

### EXPENDITURE.

*A.—Conservancy and Works.*

The total expenditure was less than that of the previous year by Rs. 43,787 and due entirely to smaller departmental operations in timber and fuel. It will be noticed that the expenditure on works of improvement are higher than last year by Rs. 8,000.

## CHAPTER IV.—ADMINISTRATION.

41. *New District Forest office charges.*—Kurnool was again sub-divided and became three Forest charges with effect from 1st December 1910.

*New Ranges.*—Two new Ranges Russellkonda and Bontha were constituted in Ganjám, and Kadiri Range was added to *Anantapur* District being transferred from the Central Circle.

42. *Conduct of the executive establishment.*—The conduct of the executive establishment is reported to be on the whole satisfactory in all districts except *Gódávari Lower* and *Upper*.

*Good conduct.*—The work of Rangers Sheik Rahimtulla Sahib, Thambu Nayudu, and V. S. Subramania Iyer is specially commended.

*Bad conduct.*—One Acting Ranger, V grade, was reverted, another reduced to the bottom of the grade and another suspended. The work of ten Rangers was condemned. Six Deputy Rangers were removed, two suspended and the work of three Deputy Rangers condemned.

43. *Protective staff.*—The conduct of this branch still continues unsatisfactory on the whole.

*Prosecutions.*—A prosecution of one Deputy Ranger has been taken in hand whilst another is evading arrest.

One Forester was sentenced to a fine of Rs. 100, whilst another is evading arrest.

Three Forest Guards were prosecuted and punished.

Some of the temporary establishment also were prosecuted and for the most part convicted.

*Removals and minor punishments.*—Seventeen Forest Guards were removed, 32 suspended and one reduced; whilst among other minor subordinates there were 72 removals and 41 suspensions.

*Foresters.*—On the whole they are said to have worked well; removals seven, suspensions two, and reductions two.

44. *Ministerial establishment.*—The temporary staff of range clerks was merged into the permanent staff.

The conduct of the ministerial establishment was on the whole satisfactory. One District Forest office acting Head Clerk was prosecuted, one acting Accountant removed. One Range clerk was dismissed and another temporarily reduced.

45. *Health of establishment and casualties.*—The health of the establishment was good except in *Ganjám*, *Gódávari Upper* and *Lower* and the *Kurnool Nallamalais*. Two Rangers, one Deputy Ranger, one Forester, three Forest Guards, three Watchers, one Tannahdar, one Range clerk and one peon died. Several subordinates had to go on leave on account of ill-health.

46. *Relations between Revenue and Forest officers.*—The relations between the Revenue and the Forest officials were cordial in every district. In *Kurnool East* the ryots of Cumbum taluk complained against the closure of reserves to the removal of leaf manure. Some of the reserves were since opened to licenses.

47. *Service books.*—These are maintained and verified in all the districts.

48. *Tours of Forest Member.*—Nil.

49. *Conservator's inspections.*—Mr. A. W. Lushington was in charge of the Circle up to the 13th April and Mr. P. M. Lushington subsequently.

Two hundred and thirteen days were spent in camp by these two officers.

The districts of *Ganjám*, *Vizagapatam*, *Kurnool* (three divisions) and *Anantapur* were inspected and the offices of *Ganjám* and *Kurnool East* and *West*.

50. *Touring of District Forest-officers.*—All the District Forest-officers spent more than six months in camp.

51. *Inspection of Range offices.*—All range offices were inspected except two in *Gódávari Lower*.

52. *Audit of accounts of District Forest Offices.*—All the District Forest Offices except *Kurnool East* were inspected by auditors from the Accountant-General's office and results were reported to be satisfactory.

53. *Imperial Forest College, Dehra Dun.*—Seven Government students for the Rangers' course and one for the third year's course were deputed. Out of the eight returned during the year, six obtained Higher Standard and two Lower Standard certificates. Two acting Rangers and one Deputy Ranger were sent down as unfit to complete the course of training.

54. *Vernacular Training School.*—This school was opened in Giddalore on 1st February 1911 with Messrs. Stracey and Chengappa as instructors. Subsequently Mr. Crothers relieved Mr. Stracey on 8th April 1911 and Chengappa had to be transferred from 8th May 1911, leaving his place in the school unfilled. Out of 28 deputed for training, 21 passed in the first and four in the second class ; three were sent down on account of ill-health.

55. *Work and service of superior officers.*—The following Collectors have commented on the work of their District Forest-officers :—

*Collector, Ganjám.*—" Mr. Bennett's work was uniformly satisfactory." *Collector, Vizagapatam.*—" Mr. Murray's work was good." *Collector, Gódávari.*—" The work of " Mr. Rego was satisfactory. The results of fire-protection were specially creditable " this year. Mr. Dawson had done a great deal of touring since he came and dis- " covered frauds and bad work." *Collector, Kurnool.*—" Mr. Aswatham Nayudu had " no easy task in starting a new division. He has acquitted himself on the whole " satisfactorily ; but was rather slow in getting work done." *Collector, Bellary.*—" Mr. " Minchin is a keen officer ; but was somewhat handicapped by want of experience." *Collector, Anantapur.*—"Mr. Hodgson has displayed great keenness notwithstanding " the serious difficulties he had to cope with in the way of ill-health."

*Conservator's remarks.*—The permanent Conservator, who was in charge for more than nine months, has left on record no remarks as to the work of the superior establishment.

56. *List of vernacular names of trees and shrubs.*—The revision of this list was undertaken by the permanent Conservator and this work occupied much of his time. Many botanical specimens were collected in connection with this work. Part of the work done has been sent to the Press.

## CHAPTER V.—GENERAL.

### (*a*) Rules under the Forest Act.

57. (i) *Timber transit rules.*—The rules worked well in *Ganjám*, *Gódávari Upper*, *Kistna* and *Kurnool East*. In *Vizagapatam* the rules were revised during the year. In *Lower Gódávari* the number of checking stations on the river Gódávari was reduced at the instance of the Conservator of Forests, Central Provinces. In *Kurnool South* and *West* the rules have been found to be defective and steps are being taken to avoid the defects. There are none in *Bellary* and *Anantapur* Districts.

(ii) *Rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed by the people ; and there were no complaints nor abuses.

(iii) *Rules framed for collection and disposal of drift wood.*—Proposals for revision of these rules were submitted to the Board but were negatived.

(iv) *Rules for the guidance of Forest-officers in compounding forest offences.*—The rules have generally been brought into force and are said to be working satisfactorily or with no perceptible effect.

### (*b*) Supply of Forest Produce to meet the Wants of People.

58. *The coupe and depôt system.*—The permit system is only used for grazing and minor items in all districts. Efforts are being made to sell the produce in the coupes themselves. In *Ganjám* the sales are from coupes and sub-depôts. In *Vizagapatam* sales of timber, fuel and bamboos are chiefly from coupes and all depôts except Narasapatam were abolished. In some cases permits were given for the extraction of bamboos. In *Gódávari Lower* sale depôts have been abolished. In the Rajahmundry and delta Ranges fuel is cut and stacked departmentally but sold from the coupe. In Rajahmundry and Polavaram Ranges bamboos were leased to contractors. Licenses were used for unreserved lands and Rampa. In *Kistna* contractors were obtained for the management of sale depôts in Bezwada and Ellore towns. In *Kurnool East* there is great difficulty in obtaining contractors as the forests are so far from the market. A new coupe has been opened for the supply of

fuel for sugarcane boiling in Cumbum. In *Kurnool South* bamboos and fuel were generally sold from the coupes. In *Kurnool West* the fuel was sold in all the coupes; the only fuel sold in a depôt is at Kurnool. Negotiations for taking up the work on contract are proceeding. If contractors come forward they would readily be employed but those in the district are untrustworthy. In *Bellary* depôts were maintained only in Bellary and Hospet. In *Anantapur* permits were issued for timber in some of the Kadiri reserves. The depôt at Madakasira was abolished.

59. *Free removal of grass.*—Free removal of grass was permitted in *Kistna*, *Kurnool South* and *West*, *Bellary* and *Anantapur*. In *Kistna* few availed themselves of the privilege. In *Kurnool South* the concession was freely taken advantage of by the ryots and was not abused. In *Kurnool West* the villagers of Dhone abused the concession having cut and removed grass from the experimental fodder plot in the South Dhone reserve closed to free-removal. In *Bellary* the quantity removed by ryots was 1,537 cart-loads and 42,134 head-loads and that by Mr. Howes was 300 tons. Large quantities are taken out in *Anantapur*.

60. *Measures adopted to encourage the growth of manure leaf yielding plants.*—This subject is not dealt with here as it was ordered in G.O. No. 1065, Revenue, dated 29th May 1911, that the functions of this department must, in the supply of manure leaf, henceforth be mainly limited to the production and supply of *seed* for green manure plants.

61. *Hill tribes.*—In *Ganjám* the assistance of practically all the remaining Khond villages adjacent to or inside reserves in Goomsur was enlisted in fire-protection and general protection of forests and in return 231 Khond villages received concessions in the matter of ploughs, materials for repairing their houses, minor produce and dry fuel. The Pondakhol Khonds worked well on demarcation, road and building works. They were recompensed for their labour half in money and half in kind. Five shops in charge of Deputy Rangers were maintained for them in Pondakhol. In *Vizagapatam* care was taken to avoid giving the hill men cause for complaint against the working of the forest laws, so long as they did not abuse the privileges given to them. In *Upper Gódávari* the Koyas and Reddis worked at fire-tracing, line-clearing and felling small timber and bamboos. In *Lower Gódávari* the hill tribes were allowed to enjoy certain concessions in regard to podu-cutting, free grazing and free removals of certain species of timber for domestic and agricultural purposes from Rampa and unreserves. They, in return, were expected to assist in putting out fires. However the injury caused by extensive and systematic fires calls for a modification of these privileges. In *Kurnool* (*three divisions*) the Chenchus were employed chiefly on plantations and collection of minor forest-produce. The scheme of departmental collection of Ippa flowers inaugurated in *Kurnool East* promises well and there was considerable reduction in the number of fires. In *Kurnool West* the concession of special collection of Ippa flowers under the supervision of the department and of distilling arrack therefrom allowed to them continued during the year. The Chenchus at Honkaram have been recommended for the grant of a reward for assisting in keeping out fires. Throughout the district there is a marked improvement in their condition, mode of life, and civilisation.

62. *Cultivation in reserved forests.*—No cultivation was allowed in the reserved forests except in *Bellary*. *Gódávari Lower* makes no mention of the subject. In *Vizagapatam* several cases of unauthorised cultivation were discovered in the Chintapalli reserve. In *Bellary*, with a view to afforest blank areas, cultivation was allowed in selected localities in Adóni and Alur Ranges subject to the condition that the ryots would grow trees along with their field crops. In Adóni this method of growing trees has been eminently successful.

63. *Mining and prospecting.*—In *Kurnool South* two syndicates are at work in the Yerramalais. One firm obtained a mining lease for diamonds. The exploring license for Steatite was renewed for another year. In *Anantapur* the Anantapur Gold Field, Limited, hold six prospecting licenses in Ramagiri reserve covering 9,769 acres. The North Anantapur Gold Fields, Limited, still hold a mining lease of one square mile. In *Bellary* the working of the manganese mines continues.

64. *Realization of revenue from the usufruct of toddy-yielding trees on Government waste and poramboke lands.*—The chief revenue is realised in *Lower Gódávari* (Rs. 5,283), *Kistna* (Rs. 9,837), *Kurnool South* (Rs. 1,663), *Kurnool West* (Rs. 17,673), *Bellary* (Rs. 22,353) and *Anantapur* (Rs. 8,986).

(*c*) LIVE AND DEAD STOCK.

65. *Live-stock*—(*a*) *Elephants.*—In *Ganjám* three elephants were purchased during the year and they were in good condition. The old elephant's health was better than last year. The elephant in *Vizagapatam* suffered from tumour. In *Gódávari Upper* elephant Surat Pari was in good health, but the elephant Kesavan transferred from South Malabar died. In *Kurnool West* the elephant was in good health.

(*b*) *Buffaloes and Bullocks.*—In *Ganjám* out of 10 buffaloes, 2 were killed by a tiger and 2 died of old age. In *Kurnool South* out of 18 bullocks, 2 were killed by tigers, 1 died of old age and 1 was sold. In *Bellary* out of 46 bullocks, 1 died.

66. *Inventory of valuable stock.*—The stock registers were maintained and verified. The stock registers in *Bellary* require revision as the Range and District registers do not tally.

67. *Rain-gauges.*—Rain-gauges were set up in all the districts and the readings were properly recorded (*vide* Appendix D).

(*d*) SUITS.

68. *Suits.*—In *Gódávari Lower* the High Court granted permission to prefer an appeal to the Privy Council in the Coringa Extension Suit and the Advocate-General was instructed to prefer the appeal. The High Court was moved to stay execution proceedings pending disposal of the special appeal and orders are due. In *Anantapur* a suit was filed against the department for the return of the security deposit pledged by one Razak Miya of Gooty. The case is proceeding.

(*e*) DEVELOPMENT.

69. To one who has been absent from the Circle for a long period the enormous development of the forests is surprising. The opening up of the Nallamalais with roads and buildings and the success of fire-protection and plantations deserve special mention. Other striking features are the success of cultural operations in the Adóni taluk of Bellary district and the introduction of Sandal in Anantapur.

OFFICE OF THE CONSERVATOR OF FORESTS,
NORTHERN CIRCLE,
WALTAIR, 11*th September* 1911.

P. M. LUSHINGTON,
*Conservator of Forests,*
*Northern Circle.*

2 DEC 1917
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### MADRAS PRESIDENCY,

CENTRAL CIRCLE, 1910–1911.



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# FOREST ADMINISTRATION REPORT

## OF THE CENTRAL CIRCLE

FOR THE

## FOREST YEAR ENDING 30TH JUNE 1911.

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## CHAPTER I.—CONSTITUTION OF STATE FORESTS.

### 1. Alteration in Area.

According to the Administration Report for 1909–10, the total area of *reserved forests* at the end of that year for the circle was 7,966 square miles. Owing to the transfer of Kadiri range of the old South Cuddapah division to the Anantapur district during the year under report, 218 square miles of forests were transferred to the Northern Circle, leaving a balance of 7,748 square miles. Six square miles were added to the area, two by transfer from Reserved Lands in *Chittoor* and *Trichinopoly*, three on account of the transfer of the Karur taluk from the Coimbatore district to the *Trichinopoly* district and one by a more accurate computation of areas in *South Arcot.* On the other hand, there was a decrease of 15 square miles due mainly to disafforestation of small areas in most of the districts, to the rectification of areas in *South Salem* and to the transfer of small portions of padugai reserves to the Public Works Department in the *Trichinopoly* district, showing a net decrease of 9 square miles. So the total area of reserved forests in the Circle stood on 30th June 1911 at 7,739 square miles.

2. There was practically no addition under *Reserved Lands* during the year. The question of further reservation in the Vaiyampatti range of the *Trichinopoly* district was discussed during the year, and it was considered advisable to take up only one block of 709 acres for reservation. In regard to *Tanjore*, the question of reserving salt swamps and lands along the coast referred to in the last year's report was dropped. It is proposed to reserve $6\frac{1}{2}$ square miles of hill forests on the Pachamalais and maps for them are awaited.

### 2. Forest Settlement.

3. Of the 57 square miles still remaining to be notified under section 16 of the Forest Act, 46 represent the area of the Hudaidurgam block in respect of which the appeal preferred to the High Court has just been decided in favour of Government. The remaining extent is pending settlement with the Revenue Divisional officers.

### 3. Demarcation.

4. One hundred and sixty-six miles of artificial boundary line were demarcated at a cost of Rs. 779 against 125 miles in the previous year at a cost of Rs. 955. The average cost per mile was Rs. 4–11–1 against Rs. 7–10–3. Eleven thousand two hundred and eighty-nine miles are reported to have been recleared without extra cost by Forest subordinates against 11,653 miles in the previous year. The matter of permanent demarcation in the circle seems to require looking into, as reports are being received from some of the districts that the boundary lines of certain reserves are untraceable; this should not be the case if the lines have been finally and permanently demarcated.

### 4. Forest Surveys.

5. No work was undertaken by the Survey of India Party during the year except mapping. Departmental surveyors were employed in Nellore, North and South Salem in the verification of reserve boundaries, aligning roads, preparing

estimates and demarcating reserves and fuel coupes. In Trichinopoly, a surveyor surveyed 5 square miles in 4 reserves. Two hundred and ninety square miles remained to be surveyed and final maps had to be prepared for 649 square miles of reserved forests.

## CHAPTER II.—MANAGEMENT OF STATE FORESTS.

### 1. REGULATION OF MANAGEMENT.

#### (*a*) *Preparation and Control of Regular Working Plans.*

6. *Preparation.*—No new working plans were sanctioned during the year. The revised working plan of the Coast casuarina plantations *Nellore* was sanctioned during the year. Out of those referred to in the last year's report, the working plan for the Dharmapuri range *North Salem* awaits revision pending decision of the question of the formation of an additional range and the Cauvery project scheme. A reconnaissance report for the topes in Hosur range was drawn up by a ranger and is under consideration. The provisional working plan of Rapur range *Nellore* was carefully revised according to the density of growth and with reference to the grazing requirements of the surrounding villages and will be shortly submitted to the Board. A simple working plan for the Vriddachalam working circle, 16 square miles, *South Arcot*, was submitted to the Board at the close of the year. The provisional working plan for Javadi Hills in *North Arcot* (formerly in South Arcot) was continued pending further trial. Plans for 272 square miles in *North Cuddapah* are still under preparation. The preliminary working plan for the Palakondas timber working circle is under correspondence. Working plans for the padugais and upland reserves *Trichinopoly* are pending submission. The preparation of a plan for casuarina plantations in *Guntur* was taken up during the year. Some of the existing working plans badly need revision but the work can only be taken up as opportunity and staff permit.

7. *Control.*—The prescriptions of the working plans were generally adhered to as far as possible. The following are the important deviations :—

In *North Cuddapah* certain fuel coupes were in arrears owing to their present inaccessibility. Bamboo working circle coupes from II were not worked for want of demand. In *East Cuddapah* one coupe of Palakonda Bullmen's fuel working circle was exploited in advance to meet the increased demand. Fuel coupes in several ranges especially in Badvel were not worked for want of demand. In *Nellore* several arrear coupes in addition to the regularly prescribed ones in three working circles of the Rapur working plan and compartments 13 (*a*), (*b*) and (*c*) of Sríharikóta working plan instead of compartment 6 set down for exploitation were worked during the year. Arrear coupes in Kavali, Bitragunta and Vovveru working circles were worked departmentally for want of contractors and fuel supplied to depots and only two compartments of the Momidi working circle were leased out during the year. In *South Arcot* fuel and bamboo coupes in the Kallakurchi range fell into arrears for want of demand. In *North Salem* the fellings are generally behind hand for want of sufficient demand. In *South Salem* out of 30 sanctioned working circles 21 were proposed to be worked but work was carried out in only 15. The working plans need revision.

8. *Estimate of area for which working plans have yet to be prepared.*—Working plans for 2,415 square miles have still to be prepared excluding 95 square miles taken in hand during the year. It is quite unlikely that any substantial progress in this direction can be made with the present forest staff for some time to come and it is useless to expect it at present.

#### (*b*) *Preliminary Working Plans.*

9. In *North Cuddapah* experimental located fellings were carried out in 12 timber and 12 fuel coupes for collecting data for preparation of future plans. In *Nellore* no plans were drawn up during the year. Data were collected for an additional area of 20 square miles in the Kottapatam reserved forest. In *Chittoor* statistics are being collected for the Vayalpad range working plan. The scheme for sugarcane fuel supply in the same range drawn up in 1907 has not worked

satisfactorily owing to short demand. In *South Arcot* a preliminary plan of located fellings under a 30 years' rotation for two ranges and a portion of a third was drawn up preparatory to collecting data for preparation of regular working plans and fellings were carried out in a number of coupes. In *Guntur* work continued to be carried out under the general schemes for casuarina planting in Bápatla range and in other ranges in accordance with the schemes drawn up by the District Forest officer. Speaking generally Preliminary Plans with the simplest provisions appear to be urgently called for in the Circle, so that in each district and range a definite line of work may be steadily pursued. It is quite useless to attempt to draw up a lot of plans merely to form a net-work of working plans over the forest area but without any immediate prospects of being able to carry out their provisions.

### (c) *Annual Plan of Operations.*

10. The plans of operations were generally adhered to with some deviations.—In *North Cuddapah* collection of bamboos and cultural operations were not carried out as the operations in previous coupes were not completed. Construction of a range office building, an inspection shed, a cart-track and sinking of wells were not taken up. In *East Cuddapah* top ends of red sanders trees were not collected for want of demand and certain buildings and roads were postponed. In *Nellore* the construction of a range office, quarters for guards and watchers, and rest-houses had to be postponed for various reasons. In *Chingleput* some of the coupes were leased out on lump sum contract to give effect to the policy of Government. In *North Arcot* the construction of subordinate's quarters at Melput Tiruvannámalai range had to be postponed as the estimate had to be revised and the construction of one road was substituted for another In *Chittoor* the construction and repairs of a few roads and buildings in Vayalpad had to be postponed to provide funds for more urgent and incomplete works. In *North Salem* certain buildings and roads were not undertaken as the estimates were not ready in some cases and for want of establishment in others. More sandalwood trees were extracted with the object of removing diseased and over-mature trees and bamboos were extracted departmentally as contractors failed to be procured. In *South Salem* two rest-houses had to be postponed to provide funds for a bungalow on the Sheveroys and a bridle-path was not commenced on account of delay in the preparation of its estimate. In *Trichinopoly* coupes were sold to contractors in three ranges to give effect to the policy of Government and in others they were worked departmentally.

## 2. Communications and Buildings.

11. The outlay on communications, buildings and other works, as compared with that of the previous year was Rs. 28,790, Rs. 35,140 and Rs. 3,647 against Rs. 22,549, Rs. 41,736 and Rs. 5,346, respectively. The increase was only under "Roads and bridges" mainly in *North Arcot North Salem* and *Trichinopoly*.

The important works of a permanent nature were :—(*a*) Roads and bridges, Mudumpad-Amabhavi bridle-path and Nallamalais road in North Cuddapah ; cart-track from Seshachellam to Pullagurapenta, bridle-path from Pullagurapenta to Kangamadugu in East Cuddapah, 4½ miles in Chengam-Chekkadi road in Tiruvannámalai and 5¼ miles in Andiyappanur-Kambagudi road in Tiruppattúr and Patrakad ghát road in Polur ranges in North Arcot ; (*b*) Buildings, construction of a rest-house at Gundampenta and a range office at Badvel in East Cuddapah ; range quarters at Mutukur and a rest-house at Kothachenu in Nellore ; completion of a rest-house at Kadapperi in Chingleput ; construction of subordinate's quarters in Tiruvannámalai range in North Arcot ; completion of Pentzhupad rest-house in Chittoor ; two rest-houses at Periyakuppam and Sankarapuram and subordinate's quarters in five places in South Arcot ; a rest-house and forester's quarters at Kurumbapatti in North Salem ; subordinate's quarters at Kanjamalai in South Salem and two bungalows at Kattalai and Pallávaram in Trichinopoly.

*Tramways.*—In the coast range, 5,517 tons were trammed or 8,172¾ ton-miles were run against 9,038 tons or 19,063⅕ ton-miles in the previous year and at Sriharikota 9,640¼ tons or 18,340⅓ ton-miles against 7,538⅜ tons or 18,439½ ton-miles. The decrease in the former was due to poor yield of the coupes exploited during the year, and the increase in the latter to large supply of wood made to the Madras depots.

## 3. Protection of Forests.

### (a) *General Protection.*

12. The forest offences registered during the year were—

| Class. | Injury to forests by fire. | | Unauthorised felling or appropriation of wood and minor forest produce. | | Grazing without permission or in tracts in which grazing is prohibited. | | Other offences. | | Total cases. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. |
| 1. Cases taken into court. | 19 | 15 | 1,536 | 1,256 | 724 | 734 | 89 | 93 | 2,368 | 2,098 |
| 2. Cases compounded .. | 7 | 5 | 7,972 | 7,976 | 4,327 | 4,039 | 217 | 558 | 12,523 | 12,578 |
| 3. Cases undetected .. | 413 | 286 | 176 | 240 | 103 | 169 | 11 | 12 | 703 | 707 |
| Total .. | 439 | 306 | 9,684 | 9,472 | 5,154 | 4,942 | 317 | 663 | 15,594 | 15,383 |

The total is lower by 211 and 408 compared with previous year and previous three years' average respectively. The decrease has occurred under all heads except "other offences," under which there was an increase of 346. The decrease occurred chiefly in *North Salem*, *North Arcot*, *South Arcot*, *Chittoor* and *East Cuddapah* and is attributed to lack of supervision by Range officers whose time was taken up by Departmental fuel operations. The non-receipt of information from Collectors of several districts regarding cases in unreserved areas would also to a certain extent account for the decrease. There was a slight increase in *Trichinopoly* which is attributed to cases disposed of by Revenue Divisional officers. Other causes mentioned for rise and fall in the district reports are better protection and greater vigilance on the part of the subordinate staff, but there can be very little doubt that protection is generally inadequate.

*Cases brought to trial.*

| —— | Conviction. | Acquittals. | Percentage of failure. |
|---|---|---|---|
| 1909-10 .. .. .. .. | 1,935 | 257 | 11·72 |
| 1910-11 .. .. .. .. | 1,944 | 287 | 12·86 |

The increase in acquittals was marked in *South Arcot*, *North Arcot* and *Nellore.*

*Cases compounded.*

| | Number of cases. | Amount. |
|---|---|---|
| | | RS. |
| 1909-10 ... ... ... ... ... ... | 11,293 | 97,881 |
| 1910-11 ... ... ... ... .. ... | 11,762 | 1,04,131 |

There was a very slight rise in the average per case which calls for no remarks.

13. The punishments inflicted by magistrates were on the whole satisfactory. There were no cases of importance calling for special mention except one in *North Cuddapah*, in which an accused was sentenced to two months rigorous imprisonment for setting fire to a reserved forest. If such punishment was meted out to offenders in such cases more frequently it would go far to prevent the deliberate firing of forests.

14. *Rewards* were as usual sparingly granted. In *South Arcot* Rs. 5 to a guard for detection at night; in *South Salem* Rs. 17 to the police for detecting four cases of illicit grazing and browsing; and in *Guntúr* Rs. 25 for an important case and Rs. 13 recommended at close of the year in connection with another case.

The rules laid down in Board's Proceedings, Forest No. 186, dated 10th August 1910, fixing a scale for compounding offences under grazing and browsing were generally observed, but it is too early a date to decide as yet whether this introduction

has been in any way beneficial to the forests or otherwise. It must however be observed that a considerable amount of additional labour is thrown on the Forest staff in having to issue permits for the animals concerned in addition to the compounding notices. It is for consideration whether this part of the rules as to the issuing of permits should not be withdrawn, as cases have already arisen in which the accused persons have claimed refund of the value of the permits on the ground that, before they received the compounding "Notices," they had already purchased permits from the permit issuing officers. There seems no advantage whatever in this compulsory issue of permits in such cases, and it would be simple enough to deduct the value of the permit before fixing the compounding fee. Further, as the District Forest officer, Guntúr, has rightly pointed out, the ruling that permits must be issued, where cases of cattle illicitly grazing in open areas are compounded, seems, in a district where the incidence of grazing is excessive, hardly consistent with the principle of limiting the grazing to the "possibility" of the reserves; and it seems an anomaly that the compounding fee which can be levied in the case of illicit browsing of the goat is only half as much as that in the case of illicit grazing of the less noxious cow.

(*b*) *Protection from Fire.*

15. In *North* and *East Cuddapah* the special system introduced in 1905–06 of burning a large area of the forest in strips of varying width in order to secure protection of the remainder and with a view to providing fresh grass was continued. The results are reported to have been satisfactory. In *North Cuddapah* portions of nine reserves of about ten square miles were so treated, the strips being 100 feet wide.

The experiments ordered in Government Order No. 466, Revenue, dated 27th February 1907, communicated in Board's Proceedings, Forest No. 44, dated 9th March 1907, to burn certain areas under departmental supervision to meet requirements of graziers were conducted in *North* and *East Cuddapah* over 10,633 acres and 39,280 acres, respectively.

Protection from fire was attempted over 5,603 square miles out of 7,798 square miles comprised in the circle at a cost of Rs. 18,904 against 3,767 square miles at a cost of Rs. 19,497 in the previous year. The proportion of failure fell from 6·3 per cent. in the previous year to 2·4. The proportion of failure in specially protected areas also fell from 10·7 per cent. in the previous year to 2·1. The cost per square mile successfully protected was Rs. 3–7–4 against Rs. 5–8–5 in the previous year.

16. Statement of fires according to their origin is given in Appendix D. The total number of fires and the areas burnt were 533 of 87,817 acres against 626 of 158,834 in the previous year. In *North Arcot* the grazing fee was raised by 50 per cent. in two areas owing to heavy fires and in *Chittoor* the Voilthota reserve was closed to grazing for one year owing to villagers not rendering assistance in putting out fires. In *East Cuddapah* owing to heavy fires, the concession of free removal of grass in certain areas was withheld for one year.

(*c*) *Protection from Cattle.*

17. Form No. 73 gives details of the areas open and closed to grazing and form No. 74 the number and kind of animals grazed free or on payment in reserved forests and reserved lands. The areas closed to grazing for part of the year and for the whole year were respectively, ·4 per cent. or 30 square miles and 9·6 per cent. or 749 square miles against 4 and 712 square miles in the previous year. The increase was in *North Cuddapah East Cuddapah* and *Chittoor.*

The percentage of forests open to grazing and to browsing to the whole area of the circle were 92·96 and 4·79 respectively. Goats were entirely excluded from reserves in *Trichinopoly South Arcot* and *South Salem*, and in the other districts small areas of certain reserves were open to these animals.

18. An analysis of the cattle impounded is given in Appendix E. There was a decrease in all districts except *North Cuddapah*, *North Arcot*, *South Arcot* and *Guntúr.* The increase in these districts is attributed to better supervision.

*(d) Protection against Injuries from Natural Causes.*

19. In *North* and *East Cuddapah Chingleput* and *Chittoor* no special measures were taken except the cutting of creepers and climbers in coupes worked during the year. In *Nellore* no traces of fungus were observed in the casuarina plantations. The principle of allowing two years' rest after a compartment is felled was followed to safeguard against disease. In *South Arcot* a large number of casuarina in the plantation and now over 30 years old died, chiefly in Periyakuppam reserve and is attributed to prolonged drought. Attempts are being made to interplant *Acacia auriculiformis* and *Pithecolobium dulce* in the plantations. In *Trichinopoly* the Sissoo in the padugais and *Albizzias* and *Melias* at Perambalur were still affected by *Loranthus longifolia*. This parasite was to some extent removed by the subordinates. In *Guntúr* 800 *casuarina* were uprooted and washed away by erosion on the coast of Surayalunka and about 5,000 young plants died in plantations and were replaced.

4. SYLVICULTURE.

*(a) Natural Reproduction.*

20. In *North Cuddapah* reproduction from seed of Teak, *Pterocarpus santalinus*, *Terminalia tomentosa*, *Chloroxylon Swietenia* and *Anogeissus latifolia* was good in all protected areas and coupes. In all felled coupes reproduction from coppice was good. In *East Cuddapah* reproduction from seed of *Pterocarpus santalinus*, *Shorea Tumbuggaia*, *Shorea talura*, Teak and *Anogeissus latifolia* was good. Reproduction from coppice shoots was very good in the case of all species, except *Hardwickia binata*. In *Nellore* reproduction from seed owing to continued drought was very unsatisfactory. Reproduction from coppice was satisfactory in the whole district. *Eugenia Jambolana* and *Memecylon angustifolium*, being particularly good. In *Chingleput*, owing to prolonged drought, reproduction from seed and from coppice was not satisfactory. In *North Arcot* reproduction from seed was specially good in the Ghat Forest and in all closed areas. *Albizzia amara*, *Acacia Sundra* and *Choloroxylon Swietenia* coppiced very well and regeneration from coppice was satisfactory on the whole. In *Chittoor*, except in the case of areas closed to grazing reprodcution by seed was not satisfactory, that from coppice was good, especially *Pterocarpus santalinus* in the Chittoor reserve. In *South Arcot* reproduction by seed of *Chloroxylon Swietenia*, *Albizzia amara* and *Acacia Sundra* was good in closed areas only and reproduction from coppice good on the whole. In *North Salem* reproduction by seed in closed areas was good, so also that from coppice, principally of *Chloroxylon Swietenia*. *Albizzia amara*, and *Albizzia Lebbek*. In *South Salem* reproduction from seed in favoured localities of *Albizzia odoratissima*, *Albizzia amara* and *Sundra* was good and that from coppice fairly good. In *Trichinopoly* reproduction by seed in the reserves of Perambalur range was poor, owing to an unfavourable season. In other parts of the district and in areas protected, the regeneration was fair chiefly of *Santalum album*, *Anogeissus latifolia*, *Pterocarpus Marsupium*, the *Terminalias* and *Chloroxylon Swietenia*. In the Cassan forests and in padugais coppice shoots were excellent and promising. In *Guntúr* reproduction by seed of *Avicennia* in the Mangrove swamps was good; that from *Babul* in the working circles was good, but subsequently much of it was destroyed owing to flood. Reproduction from coppice was fair on the whole.

*(b) Artificial Reproduction.*

21. *Regular Plantations.*—In *North Cuddapah* there are no regular plantations. An area of ten acres in Rámésvaram reserve was sown during the year with *Acacia arabica* and the seedlings are doing well. So also the *Albizzia Lebbek* and *Pongamia glabra* that were put out last year. In Pulivendla tope sixty acres were sown with *Pongamia glabra*, Tangedu and *Acacia leucophlœa* and the seedlings are from 6″ to 12″ high. In *East Cuddapah* there are no regular plantations; the graft mango plants put out in Kodur tope in 1906–1907 have established themselves and are thriving. In *Nellore* no replanting of felled compartments was carried out in the casuarina plantations as they were left fallow for two years to ward against fungus disease. Some of the compartments were planted with casuarina and *Pithecolobium dulce*. An area of fifty acres in the Sríharikóta reserve was planted up with casuarina during the year. No further area in the Kollurpad plantation was taken up during the year owing to difficulty in getting water. In *Chingleput*, *Melia indica*,

*Tamarindus indica*, *Eugenia Jambolana*, *Albizzia Lebbek*, *Cashew*, etc., seedlings were planted in compartment 2 of the Meyyur plantation and watered. The areas in compartments 1 and 7 planted last year were watered and the plants are doing well. Grafted mangoes were also planted in compartment 8, these as well as the old plants are doing well. The twenty acres of casuarina planted in Palur padugai of Meyyur plantation in 1908–1909 and 1909–1910 are doing well and during the year 30 acres were planted with casuarina and on the whole the plants are doing well. In Illatur reserved forest, six acres were also planted with casuarina and here also the plants are doing well. In *North Arcot* 108 acres in *Vellore East range* were planted with casuarina, *Divi Divi* and *Pithecolobium dulce* with satisfactory results. In other areas, the casuarina put out 5 or 6 years ago are dying out. The Red Sanders in Pitcham tope are doing well. In *South Arcot* 285 acres in felled coupes were planted with casuarina and the percentage of failure was only 6 per cent. In *Chittoor* blocks in Balarupet tope Chittoor and Chase hill reserves were planted with Red Sanders with unsatisfactory results. In Pattukonda reserve 700 *Eucalyptus globulus* seedlings were planted over 40 acres and are doing satisfactorily. In Trichinopoly 140 acres were added to the existing area of 619 acres and planted up. In *Guntúr* an area of 533 acres in Bapatla range was planted with casuarina and other species chiefly *Sissoo* and the plants are doing well.

*Cultural operations.*—In *North Cuddapah* seeds of Red Sanders and *Terminalia tomentosa* were sown over 100 acres in Proddatur and proved a failure. So also the usual sowings in closed coupes. In *East Cuddapah* 100 acres were sown with manure leaf species with unsatisfactory results. In *Nellore* the nurseries in Sríhari-kóta reserves were continued. Manure leaf species were sown in Kavali range but with unsatisfactory results owing to drought. In Lingamgunta tope 15 acres were sown with date and 50 per cent. germinated. In Kollurpad plantation, 10 acres were sown in "furrows" with *Eugenia Jambolana*, *Dodonæa*, *Pongamia*, etc., species and the seedlings are doing well. Seven hundred and fifty acres in Kondlapudi and 500 acres in Survepalli reserves were sown with *Melia* and *Pongamia* and are doing well. In *Chingleput* operations were conducted on an extensive scale as in previous years in all the felled coupes and in poorly-stocked areas. An extent of 3,172 acres were sown with 3,689 measures of several species. The operations were successful at the beginning, but at the close of the year owing to failure of the monsoon, 80 per cent. in the Chingleput range and 60 per cent. in the Tiruvallúr range died out. Twenty-five measures of date seeds sown in Budur Reserved Forest failed to germinate and the palm seeds sown last year are beginning to germinate and are in fair condition. In *South Arcot* seeds of *Tamarindus indica*, *Melia indica*, *Acacia Sundra*, etc., species were sown in blanks of felled coupes and cuttings of Banyan *Thespesia populnea*, *Poinciana elata*, etc., were also planted. The season being unfavourable, 90 per cent. of the cuttings died out, and most of the seeds that germinated at the onset. The area dealt with was 703 acres In *North Salem* 30,000 seedlings chiefly of Silver oak and Cypress, with some Brown pine and Eucalyptus were put out in the Sanyasimalai Reserve and a good percentage is doing well. Nearly all of the *Erythrnia suberosa* cuttings that were put out died. In Nagaramalai 11,000 cuttings and seedlings of indigenous species were put out and about 25 per cent. are thriving at the end of the year. In *Trichinopoly* the operation in Perambalur and Musiri ranges were a complete failure. In Námakkal range 75 acres were sown with tamarind, margosa, etc., species; of which seedlings are to be found only in four acres. In Udaiyár-pálayam range Mahagony, teak, and sissoo were introduced in the existing areas over an area of 60 acres, 6,220 plants were put out at a cost of Rs. 493. In Venganur reserve, of the plants put out in previous year 4,042 casuarina, 581 bamboos and 30 cashew were found thriving. In *Guntúr*, Babul, Margosa, etc., seeds were sown in the felled areas and the seedlings are reported to be doing well.

### (c) *Operations for Improvement of the Growing Stock.*

22. In *North and East Cuddapah and North Arcot* creepers and climbers affecting the standards in all the felled coupes were cut and removed by subordinates. Improvement fellings were undertaken in timber coupes of North Cuddapah by felling unsound hollow and deformed trees. Thinnings of bamboos were carried out in the bamboo coupes. In *Nellore* the system of unregulated fellings was to a large extent

replaced by located fellings under departmental supervision. In *Chingleput* weeding, thinning and creeper cutting, were done wherever necessary and felled areas were fenced to keep out cattle. The removal of prickly-pear from compartment II of the Guindy Park was completed at a cost of Rs. 493. Climbers, creeper and parasite from the avenue trees in the Guindy Park were removed at a cost of Rs. 15. In *South Arcot* thinnings of bamboos in 10 reserves and of casuarina in the coast plantation were carried out. All dead casuarina in the coast plantation were extracted. In *North Salem* creeper cutting was undertaken to some extent in the Hosur range.

23. *Arboricultural development.*—The young and deformed teak that were cut back last year around the bungalow in *North Cuddapah* are doing well. In *Nellore* in the Udayagiri reserved forest 47 mango, 15 lime, 16 guava and 11 jack trees were planted and are doing well. In *Chingleput* a large number of seedlings of tamarind and Melia indica were planted in the felled coupes and in Meyyur plantation. In *South Arcot* a nursery was opened out in Salvady reserved forest for raising *Pterocarpus santalinus* to be planted out in blanks. Eighty plants were put out and 60 per cent. survived. In other districts nothing special has been mentioned, except what has been given under "cultural operations."

(*d*) *Experiments.*

24. *Swietenia Mahogany.*—In *East Cuddapah* only 13 plants are now alive. In *Nellore* seeds germinated well and the plants at Sriharikota are doing well. In *North Arcot* the plants put out in Tiruvallam and Kilminnel plantations as well as those in the Gudiyattam range are not doing well, while those in Tiruvannamalai range are in good condition. In *South Arcot* the plants in Cuddalore and Kallakurchi ranges are doing well. In *Chittoor* the plants in the Whiteside garden are thriving well. Seeds sown during the year did not germinate. In *South Salem* 200 seeds were sown in Harur Range office compound, of which 7 germinated and only 3 are surviving. In *Trichinopoly* 16 trees in Alambadi, 22 in Annagarampet and 10 near Sangatampatti bungalow continued to thrive. Seeds sown in *Guntúr district* did not germinate.

*Swietenia macrophylla.*—In *East Cuddapah* 2 lb. seeds were sown at the close of the year and are germinating. Twenty-nine plants of previous year's planting are in existence but not doing well. In *Nellore* and *North Arcot* the plants of last year are doing well. Seedlings have been raised in *Chingleput.* In *South Arcot* 73 trees varying from ¼" to 18" in girth in Ramapuram reserve are doing well. In *North Salem* 2 lb. of seeds were sown at the close of the year in Kadyampatty and Sanyiasimalai nurseries. In *Trichinopoly* the plants raised in Lalapet nursery were put out and are doing well being from 1′ to 2′ in height.

*Acacia auriculiformis.*—In *North Cuddapah* a nursery was started and 50 plants raised. In *Nellore* the seeds sown have germinated and are doing well so also the plants raised last year. In *South Arcot* the surviving plants in the Coast casuarina plantations are doing well and seedlings have been raised in Periakuppam plantation.

*Eucalyptus* (*E globulus*).—In *North Cuddapah* a nursery was started and 250 plants raised so also in *East Cuddapah* where there are 175 seedlings. The trees in the Palmanér plantation *Chittoor district* are doing well. In *North Salem* seeds sown in nurseries have germinated and the existing plants in Sanyasimalai reserve (*E. marginata, E. rostrata and E. resinifera*) are doing well.

*Phœnix dactylifera.*—In *Chittoor* and *North Arcot* no improvements were noticed in the existing plants and no more were put down.

*Jacquarandus.*—In *Chittoor* the existing plants are doing well.

*Para and Ceara rubber.*—The plants existing in *North Arcot* are in good condition.

*Grasses.*—Three species of Australian grasses were tried in *Chingleput,* of these only Rhodes grass germinated and came up well. In *Nellore,* 10 lb. of Rhodes grass were sown and did well.

*Divi Divi.*—The existing trees in *North Arcot* yielded 100 lb. of pods.

*Sissoo.*—In *Nellore* seeds were sown and seedlings are doing well, so also the plants raised last year. In *Trichinopoly* some of the plants were destroyed by parasites and the few cuttings in Maradur are thriving.

*Teak.*—Seedlings raised in Lalapet nursery *Trichinopoly* were planted out and are from 2′ to 3′ high.

## 5. Exploitation.

### (a) System of Management.

### (i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

25. In *North Arcot* district the current year's coupes of casuarina of the Tiruvallam, Kilminnel, Ammundy and Virinchipuram working circles were felled preparatory to replanting; in *Nellore* compartment No. 3 of Dugarajapatam and No. 2 of Varini were sold and fully felled over; in *South Arcot* 26 acres of casuarina plantation in the Akshikadu reserve and 252·84 acres of the Coast casuarina plantations were clear felled departmentally; in *Guntúr* clear fellings of mature casuarina were carried out in Pandillopalli reserve, as well as in coupe IV of about 200 acres in Repalli Mangrove working circle.

(2) *Selection Fellings.*

26. Selection fellings were carried out in two bamboo coupes (12,324 acres) and 15 timber coupes (4,184 acres) and in removing 500 dead and dying palmyra trees in Idupulapaya plantation in *North Cuddapah* district; over an extent of 16,086 acres in *East Cuddapah*; in 4 bamboo coupes and for collection of 5,520 cubic feet of sandalwood, 1,214 cubic feet of agricultural implements and 1,625 cubic feet of miscellaneous timber in *North Arcot*; in bamboo blocks and for collection of 3,060 cubic feet of red sanders, 536 cubic feet of sandalwood and 1,206 cubic feet of miscellaneous timber in *Chittoor*; in one compartment of a casuarina plantation and in one bamboo coupe in *South Arcot*; in *North Salem* for the extraction of sandalwood and for the supply of agricultural implements to several depots and for supply of timber to Remount depot at Mattigiri; in seven bamboo blocks in *South Salem*; in extraction of bamboos from Solamathi reserve, 325,200 cubic feet of fuel from Vaiyampatti coupes and 105 tons of babul fuel from Udaiyárpálaiyam range and Perambalúr tank-bed in Trichinopoly; and in cutting babul in *Guntúr*.

(3) & (4) *Improvement and Coppice Fellings.*

27. Sixteen fuel and charcoal coupes in *North Cuddapah*, and 21 coupes in *East Cuddapah*, were worked as coppice with standards, while babul trees in two tank beds in *North Cuddapah* were felled; coppice with standard fellings were carried out in a number of working circles in *Nellore*; 13 contract coupes (1,387 acres) and 52 departmental coupes (4,796 acres) in *North Arcot*, 7 coupes on contract and 44 coupes departmentally in *Chittoor*; 6 departmental coupes (333 acres) and 36 contract coupes (3,204 acres) in *South Arcot*, all fuel coupes in *North* and *South Salem*. 31 contract coupes in five ranges and departmental coupes in the other two ranges in *Trichinopoly* and one contract coupe and three departmental coupes in *Guntúr* were worked as coppice with standards, while two reserves in *Chittoor*, a few of the timber coupes in *South Salem*, and bamboo blocks in *North Salem* were treated under improvement fellings and five coupes in *Guntúr* under simple coppice.

(5) *Unregulated Fellings.*

28. In *North Cuddapah* the system of issuing permit for removal of timber in localities where the very small demand made it impossible to systematic fellings was continued; in Trichinopoly it was restricted to fuel in two ranges. Bamboos were removed by permit holders in *North* and *East Cuddapah* and *South Salem*. Permits were issued for unreserved lands to meet local consumption in *Chingleput*, *South Arcot*, *North* and *South Salem* and *Trichinopoly*.

### (ii) *Minor Forest Produce.*

(1) *Miscellaneous Produce.*

29. Minor produce was generally leased out with the following exceptions:—Divi-Divi pods in *Vellore East* of *North Arcot* district and in *Udaiyárpálaiyam* range of *Trichinopoly* district and miscellaneous produce in *Sriharikóta* forests of *Nellore* district, were collected departmentally. Permits continued to be issued in *North* and *East Cuddapah* and *South Arcot* for stone and road materials, in *Chingleput* for manure leaves, palm leaves and velal grass and in *North Arcot* and *Chittoor* for manure leaves.

(2) *Extraction of Fodder.*

30. With the exception of certain areas leased out in *East Cuddapah* free removal of fodder and thatching grass was permitted in *Cuddapah* as usual. The same concession was allowed in other districts except *North Salem*, *South Salem* and

*Guntúr*; permits were issued for removal of grass in parts of *Nellore*; three coupes in *Sattenapalle* range of *Guntúr* district were leased out for removal of grass and permits were issued in other localities.

(3) *Hay-making.*

31. In North Cuddapah 40 tons of hay was collected at a cost of Rs. 215; of which 32 tons were sold in auction for Rs. 107, but the operation showed a loss as there was no demand owing to extensive free removal of grass. In East Cuddapah 58 tons were made at a cost of Rs. 1,273, which includes cost of transporting by carts and pack bulls and railing 51 tons to Madras. Of this quantity, 51 tons were supplied to the Station Supply Officer, Madras, for Rs. 963 and 6 tons were used in Pullampet range for feeding Government bulls. In North Arcot 1[illegible] tons were collected and sold to the Military department. Of the 11 tons collected in Chittoor, 6 tons were supplied to the Station Supply Officer, Madras. In North Salem 2,314 maunds of hay were collected at a cost of Rs. 184 and sold to the Remount depot at Mattigiri for Rs. 386. Three hundred and ninty-seven maunds were prepared in South Salem and remained undisposed of for want of demand. In Guntúr district 498 tons of hay were made in Bollapalli reserve at a cost of Rs. 1,937, 29 tons at Kondavid reserve at a cost of Rs. 146 and 19 tons in the Sattenapalle range at a cost of Rs. 107. Owing to there being very little demand, only 82 tons were sold during the year. Hay operations were not conducted in other districts for want of demand and in several districts in which operations were conducted they were worked at a loss.

(4) *Grazing.*

32. The revenue derived from "grazing and grass removals" was Rs. 3,55,471, a falling off of Rs. 69,360 or 16·3 per cent. The decrease was largely due to the fact that compounding fees in illicit grazing cases which had hitherto been credited under this head in several districts were credited during the year to V (*a*), to the sale of goats by the ryots in large numbers owing to the curtailment of provision for goat browsing and to the slight increase in kancha area in *Nellore*, to the failure of rains and want of fodder and to the throwing open to free grazing a large number of conservancy blocks in Chingleput. With regard to carrying out the orders of Government that the number of cattle should be limited to the grazing capacity of reserves, proposals were submitted during the year from several districts to the Board and the subject is receiving attention.

(*b*) AGENCY OF EXPLOITATION.

(i) *Departmental Agency.*

33. Departmental agency has continued to be the chief agency for working timber and fuel in all districts. In *North Cuddapah*, *Chingleput* and *Trichinopoly*, however, 4, 19 and 31 coupes were respectively sold in auction on lump sum contract system. The total quantity of timber and fuel, the number of bamboos and the value of the minor produce extracted departmentally were respectively 51, 2·6 and 2·1 per cent. of the total outturn of each through all agencies. The total value of the disposals of the year was Rs. 6,36,959 against Rs. 6,86,701 in the previous year.

*Timber* + 4,539 *cubic feet*—due chiefly to more extensive departmental operations in *Guntúr*.

*Fuel*— 824,318 *cubic feet.*—The decrease is due to the introduction of contract system by leasing out fuel coupes in *North Cuddapah*, *Chingleput* and *Trichinopoly* and to the supply of fuel having been regulated in accordance with the demand in *Guntúr*.

*Bamboos* + 70,958 was due to departmental operations being conducted on a larger scale in Dharmapuri and Hosúr ranges of *North Salem* division.

*Minor produce*— 17,772 *maunds*—due to decrease in collection of fodder grass including hay for want of demand in several districts.

(ii) *By Purchasers.*

34. The total value of sales was Rs. 3,45,296 for major produce including bamboos and Rs. 6,47,096 from minor produce against Rs. 3,91,039 and Rs. 7,95,761 respectively in the previous year. The decrease in the major produce was due to the casuarina coupes sold during the year in *Nellore* district not being so valuable as those sold during the previous year and to compounding fees in felling cases which were formerly credited under this head having been transferred to V (*a*) and the decrease under minor produce was due to fall under grazing as already explained

in paragraph 32 *supra*; it was due in *North Cuddapah* to triennial leases and to collection of two instalments in advance, to the reckless bidding at amroy sales in the previous year and to the exclusion of babul pods from amroy sales during the year; in *South Salem* to the lower prices realised in the sale of minor produce and manure leaves; in *Trichinopoly* to the termination of avaram bark leases, to poor prices realised on leases of usufruct of trees, non-sale of minor produce in Pachamalais and the exclusion of babul pods from minor produce contracts; and in *Guntúr* to the low prices realised chiefly in margosa seeds, soapnuts and tangedu bark. In *Chingleput* 33 coupes were advertised for sale and offers for 19 coupes were accepted. In *South Arcot* 36 coupes aggregating 3,204 acres were sold on contract. In *Trichinopoly* 31 coupes were leased out which accounted for the large increase in the outturn of fuel and the management of the town depot (West depot) was transferred to a contractor. The sales of confiscated produce were Rs. 1,986 against Rs. 2,985 in the previous year.

### (iii) *Rights and Privileges.*

35. These are allowed for grazing and the value of produce removed under this head is estimated to be Rs. 298 against Rs. 741 in the previous year.

### (iv) *Free Grants.*

36. The estimated value of free grants was Rs. 7,961 against Rs. 7,055 in the previous year; the increase was due to free grant of 48,821 cubic feet of fuel to the Madras Glass Works Company. The grants were made chiefly to poor ryots for re-building houses and huts destroyed by fire.

37. The following abstract shows the quantity and value of produce removed by Right-holders, free grantees, etc., as required in Board's Proceedings, Forest No. 185, dated 26th July 1911:—

| — | Timber. | | Fuel. | | Bamboos. | | Grass and grazing. | Other minor produce. | Total value. |
|---|---|---|---|---|---|---|---|---|---|
| | Cft. | Value. | Cft. | Value. | No. | Value. | Value. | Value. | |
| | | RS. | | RS. | | RS. | RS. | RS. | RS. |
| Right holders .. .. | .. | .. | .. | .. | .. | .. | 98 | 200 | 298 |
| Free grantees .. .. | 47,657 | 5,901 | 53,036 | 1,141 | 28,415 | 318 | 16 | 319 | 7,695 |
| Grants at reduced rates. | .. | .. | .. | .. | .. | .. | 266 | .. | 266 |
| Total .. | 47,657 | 5,901 | 53,036 | 1,141 | 28,415 | 318 | 380 | 519 | 8,259 |

### (*c*) OUTTURN AND SOURCES OF FOREST PRODUCE.

38. The following abstract gives the total outturn of timber and other produce collected by different agencies during 1909–10 and 1910–11 from reserved forests and from reserved and unreserved lands:—

| Agency of exploitation. | Timber in cubic feet including sandalwood. | | Fuel in cubic feet. | | Bamboos in numbers. | | Minor produce (including grass and grazing). Gross value in rupees. | |
|---|---|---|---|---|---|---|---|---|
| | 1909–1910. | 1910–1911. | 1909–1910. | 1910–1911. | 1909–1910. | 1910–1911. | 1909–1910. | 1910–1911. |
| | | | | | | | RS. | RS. |
| By Government agency. | * 96,224 | 100,763 | 6,737,593 | 5,913,275 | 421,130 | 492,088 | 18,519 | 14,395 |
| By purchasers (including confiscation). | 1,283,487 | 1,100,941 | 3,124,425 | 4,672,727 | 17,440,390 | 17,908,434 | 7,96,263 | 6,47,096 |
| By right holders, etc. .. | .. | .. | .. | .. | . | .. | 741 | 298 |
| By free grants .. .. | 58,349 | 47,657 | 667 | 53,036 | 27,970 | 28,415 | 901 | 601 |
| Total .. | 1,438,060 | 1,249,361 | 9,862,685 | 10,639,038 | 17,889,490 | 18,428,937 | 8,16,424 | 6,62,390 |

* The difference of 132,000 c. ft. is due to the fact that while the actual outturn of timber in Guntúr during 1909–1910 was only 14,339 c. ft. it was put down as 146,339 c. ft. owing to the figure '6' having been wrongly inserted between '4' and '3' and the increase was explained by the Collector as being due to more extensive operations in the previous year's (1909–1910) district report.

The results show a decrease under all heads except fuel and bamboos. The variations have already been explained. The rates for grazing fees levied in several districts are shown in Form No. 74. The number of animals licensed to grazing on payment was 1,986,744 against 2,272,577.

## CHAPTER III.—FINANCIAL RESULTS.

39. The financial results of the year are compared with those of the last year and with the previous quinquennial average in the following table :—

| — | 1910-1911. | 1909-1910. | Average of preceding five years. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Revenue .. .. .. .. | 17,70,282 | *19,18,620 | 14,67,995 |
| Expenditure— | | | |
| A.—Conservancy and Works including "Refunds." | 6,62,398 | 7,33,010 | 4,70,314 |
| B.—Establishments . .. | 4,33,837 | 4,46,916 | 3,59,318 |
| Total expenditure .. | 10,96,235 | *11,79,926 | 8,29,632 |
| Surplus | 6,74,047 | 7,38,694 | 6,38,363 |

* Includes those for Kadiri Range.

The year's revenue decreased by 7·7 per cent. and the expenditure by 7·09 per cent. and the net revenue was 38 per cent. of the gross receipts. About 36 per cent. of the expenditure was devoted to the up-keep and improvement of the forests and 64 per cent. to exploitation, etc.

The value of timber and other produce at the sale depots at the close of the year amounted to Rs. 1,00,447 or Rs. 54,440 less than it was at the close of the previous year.

The outstanding revenue at the beginning of the year was Rs. 1,40,674 and the value of sales during the year amounted to Rs. 17,72,440. Out of the total of Rs. 19,13,114, Rs. 17,70,282 were collected, Rs. 440 written off leaving an outstanding balance of Rs. 1,42,392. Of this Rs. 1,01,718 falls due after 30th June 1911.

The important variations under the several budget heads of revenue and expenditure as compared with the previous year are explained below :—

### Receipts.

#### (i) *By Departmental Agency.*

*Timber* —Rs. 7,294. Due chiefly to less quantity transported and to low prices obtained in *North Cuddapah* and to late collection and want of proper demand in *East Cuddapah.*

*Fuel*—Rs. 9,366. Caused chiefly by the less quantity of fuel received from *Kurnool* for sale in *Guntúr* and to limited demand obtained from railway in *North Salem*, but this was partly counterbalanced by increase chiefly in *East Cuddapah* and *South Salem* from increased departmental operations for supply to depots.

*Bamboos*—Rs. 864. Attributed chiefly in Trichinopoly to non-working of Pachamalai bamboos, but this was made up by increase chiefly in North Salem from increased departmental operations to meet the demand in sale depots.

*Sandalwood*—Rs. 20,130. Due chiefly in *North Arcot* to an arrangement made with Messrs. Pierce Leslie & Co. to sell the wood in the Home market instead of locally, and in *South Arcot* to less quantity exploited in Javadi Hills. But this was counterbalanced by increase chiefly in North Salem from larger number of dead and overmatured trees exploited and sold in England through the Agency of Messrs. Pierce Leslie & Co., and in *South Salem* from sale of last year's collections.

*Minor Produce*—Rs. 12,088. Due principally to want of demand for hay in *Guntúr* and *East Cuddapah* and to low prices obtained for certain produce in *Nellore.*

#### (ii) *By Purchasers.*

*Timber* —Rs. 12,275. Due to the composition fees collected under the head being credited to head V (*a*) under orders of Government and to the fewer applications for darkhast received in several districts than in the previous year.

*Fuel* + Rs. 9,997. The increase is due to sale of large number of coupes to contractors in *Trichinopoly* instead of working them departmentally, but this was partly reduced chiefly in *Nellore* due to low prices obtained for casuarina coupes sold and in *North Arcot* to fewer coupes leased to contractors.

*Bamboos*—Rs. 16,258. Due to the lease amount of *Salem West* Range collected in advance having been credited in the previous year and to the leasing out of less number of blocks in *South Salem.*

*Grazing*—Rs. 69,360. Decrease occurred in almost all the districts due to the crediting of revenue to V (*a*) in *North* and *East Cuddapah* and to unfavourable season and also to the mortality among cattle and sale of sheep and goats in large numbers in *Nellore*; to the closure of certain reserves owing to a large number of fires in *North Arcot.*

*Other Produce*—Rs. 68,964. Occurred in all the districts except *North Salem* and was chiefly noticeable in *North Cuddapah, North Arcot* and *South Salem.* In *North Cuddapah* it was due to triennial tangedu lease amount due for the year having been collected in advance and to the reckless bidding in previous year at amroy sales; in *North Arcot,* to want of good demand for tanning barks; and to low prices realized in *South Salem* and *Guntúr.*

(iii) *Miscellaneous* (*including confiscated drift and waifwood*).

*Revenue* + Rs. 58,264. Chiefly due to the crediting of all compounding fees under the head.

### Expenditure.

#### *A.—Conservancy and Works.*

The expenditure under this head was less by Rs. 70,612 than in the previous year and the decrease was chiefly due (1) to the curtailment of works in *Guntúr* and to the less receipt of fuel from *Kurnool*; (2) to smaller expenditure on departmental fuel operations in *Trichinopoly* and *North Salem*; (3) to less amount spent on roads and buildings in *North Salem* and *Chingleput*; (4) to the saving caused under feed and keep of cattle by the sale of bulls and carts in Trichinopoly; (5) to less expenditure incurred on fire protection operations in *East Cuddapah* and to the discontinuance of grain compensation allowance in several districts.

#### *B.—Establishments.*

The less expenditure of Rs. 13,079 was chiefly due to changes among officers.

## CHAPTER IV.—ADMINISTRATION.

40. Mr. T. P. Peake was in charge of the circle throughout the year.

41. *New district forest charges.*—The territorial changes during the year were the transfer of the Kadiri taluk of the old South Cuddapah division to the Anantapur district of the Northern Circle, the remaining taluks of Madanapalle and Vayalpad together with Chittoor, Chandragiri, and Palmanér taluks of the North Arcot district being formed into the new Chittoor district. Tiruvannámalai taluk of the South Arcot district and Tirupattúr taluk of Salem district were added to the North Arcot district. The Námakkal taluk of the South Salem division and the Karúr taluk of the Coimbatore district were transferred to the Trichinopoly district.

42. *New ranges.*—No new ranges were formed during the year.

43. *Conduct of the executive establishment.*—The conduct of the establishment is reported to have been unsatisfactory in Nellore, Trichinopoly, North Arcot and Chittoor and fairly satisfactory in other districts, while that of the protective staff still continues to be unsatisfactory.

*Removal from service.*—One probationary ranger and six deputy rangers were removed from service or had their probationary periods terminated. The name of one ranger in Trichinopoly was struck off the list for absconding when serious charges of irregularities were pending against him.

*Resignations.*—One ranger and two deputy rangers resigned.

*Reductions.*—Two rangers were reduced for bad work; one acting ranger was reverted to deputy ranger for certain irregularities and the promotion of one ranger was stopped. One deputy ranger was reverted to forester for reporting a false case and one reduced temporarily. Seven foresters were reduced to forest guards.

*Suspensions.*—Two rangers, one deputy ranger, and nine foresters were suspended and one ranger in Guntúr was suspended and is being prosecuted criminally and has been committed to take his trial.

*Specially commended.*—The work of rangers S. Vasudeva Reddi, A. Subba Rao, Makkeri Sahib and A. Hanumuntha Rao, is reported by their respective District Forest officers to have been very satisfactory.

44. *Ministerial establishment.*—The conduct of the ministerial establishment was satisfactory in North and East Cuddapah, Nellore, Chingleput, South Arcot and North Salem ; bad in North Arcot ; and far from satisfactory in South Salem and Guntúr.

45. *Health of the establishment and casualties.*—The health of the establishment was very bad in North Cuddapah, bad as usual in North Arcot and Chittoor, Sriharikotta and parts of Coast range in Nellore and in the Pachamalais in Trichinopoly. One forest guard on the Javadi Hills, North Arcot, one tannadar and one depot watcher in North Cuddapah, and three subordinates in Trichinopoly died.

46. *Relations between Revenue and Forest officials*—continued to be cordial. The reports of North Arcot, Trichinopoly and Guntúr do not furnish information regarding attendance of the jamabandi camps ; such attendance was carried out in North Cuddapah, Chingleput and South Arcot by the District Forest officers and in the rest by range officers and no complaints were brought to notice, nor did any question of importance on forest matters come up for consideration. In *Chingleput* the Collector has submitted to the Board certain proposals under which it is proposed that a local panchayat shall undertake the management of a certain portion of "Oragadom" Reserved Forest for their village requirements. The experiment, if sanctioned, will be watched with interest. The Forest Commissioner accompanied by the Collector of Chingleput, the present Acting Conservator, and District Forest Officer, inspected the above reserve in July 1911 and were all of opinion that the Collector's proposals afford an excellent opportunity to the local panchayat of management of showing what it can do. It rests with the panchayat to make the experiment a success or otherwise.

47. *Service Books* are reported to have been verified and maintained in all the districts.

48. *Conservator's inspections.*—All the districts were visited and all District Forest offices were inspected except Chittoor which was formed only from April 1911. The North Cuddapah office was inspected twice in July 1910 and May 1911.

49. *Touring of District Forest officers.*—All the District Forest officers except those of Nellore, Guntúr, North and South Arcot have spent more than six months in camp. The District Forest Officer, South Arcot, has camped the required period of six months. The short touring in Nellore was due to the absence of the District Forest officer on leave and to the charge being held by the District Forest Officer of Chingleput for 22 days in July 1910, and in Guntúr to changes in the District Forest officer during the first half of the year and to the charge being held by the District Forest Officer of Kistna. *In North Arcot*, the deficiency amounted to three days only.

50. *Inspection of Range offices.*—All the Range offices were inspected except one in Nellore, four in North Arcot (old) owing to changes in the charge of the district in the latter half of the year and one in *North Salem.* Depots were inspected in all districts.

51. *Audit of accounts of the District Forest offices.*—The accounts of all the District Forest offices were audited by the special staff of Inspectors of the Accountant-General's office and the results were reported to be fairly satisfactory.

52. *Imperial Forest College, Dehra Dun.*—During the year, one stipendiary student for appointment in the Provincial service, two probationary rangers and five deputy rangers were deputed for training as Government students. Two probationaries for Provincial service returned after undergoing the third year's course and were appointed Probationary Extra Assistant Conservators on Rs. 150 from the date of their passing ; one of them was posted to Southern Circle. One ranger who stood first and obtained Honours certificate was deputed for the third year's course, one ranger and six deputy rangers returned with rangers' certificate.

53. *Vernacular Training Schools.*—Ten (including two from old South Cuddapah) forest guards were deputed to the vernacular training school at Giddalur and nine forest guards to the school at Sethumadai of whom one fell seriously ill and returned.

54. *Work and services of Superior Officers.*—The following remarks have been made by the Collectors on the work of District Forest officers:—

*Cuddapah—By Mr. J. G. D. Partridge, North*—"Mr. J. A. Daly held charge "of the district throughout the year. He does very extensive touring and is doing "his best to improve the working of the department. I am not satisfied with the "rangers of Proddatur and Cuddapah." *East*—"I must repeat what I said formerly "with regard to M.R.Ry. C. M. Maduranayakam Pillai Avargal. His work seemed to "be careful and his ideas sound, but his health had become rather poor before he left "the district, and possibly his local inspection was not as thorough as it had been." *Nellore—By Mr. R. Ramachendra Rao.*—"I understand from my predecessor that "the late Mr. Nallaswami Nayudu who was in charge of the district for the best "part of the year under report discharged his duties efficiently and with tact. Mr. "Woutersz has only recently joined, but has already shown signs of energy and I "hope will show better results in the current fasli than those of the past." *Chingleput—By Mr. A. L. Vibert.*—"I am sorry to lose the services of Khan Sahib Syed "Burhanuddin Sahib Bahadur. We have done a good deal of work together and I "have found him keen and conscientious." *South Arcot—By Mr. M. Aziz-ud-din Sahib.*—"The work of M.R.Ry. Rao Bahadur V. Alwar Chetty Garu and M.R.Ry. "K. R. Venkataramana Aiyar Avargal, as far as it came to my notice has been satis-"factory." *Salem—By Mr. L. E. Buckley.*—*North*—"Mr. F. C. L. Cowley-Brown "was in charge of the district for more than three quarters of the year and worked "with his usual energy." *South*—"Mr. Wimbush was District Forest Officer for two "months and Mr. Clear for the rest of the year. There is no doubt South Salem is a "heavy district and it is difficult for a young officer to run. Both Messrs. Wimbush "and Clear did their best to tackle a difficult task, but they were handicapped by "arrears of work left by the incompetence and dilatoriness of a head clerk who has "been removed." *Trichinopoly—By Mr. E. W. Legh.*—"M.R.Ry. S. Kuppuswami "Chettiyar acted as District Forest Officer for six weeks. During that time he made an "excellent report on the Kadavúr zamin forests at the request of the Court of Wards. "Later as Extra Assistant Conservator he was very helpful in arranging for the free "grants to the sufferers by the Perambalur fire. He strikes me as an officer of "considerable ability and also deserving of confidence both in his relations with his "subordinates and with the public. Mr. C. Du.Pre Thornton is a most active and "energetic officer and full of zeal for his department. He sent me recently a very "good report on the padugais in the newly added taluks which cost him a good deal of "hard work to prepare. The only occasions I have had for differing from him have "been in appeals which came before me against his orders passed on subordinates or "on contractors. It is possibly his zeal which makes his orders at times somewhat "severe It has not been possible always to support them on a careful scrutiny of "the facts" *Guntúr—By Mr. S. W. G. I. MacIver.*—"The Board and the Conser-"vator are aware that the condition of the office was not satisfactory; since his arrival, "Mr. Scot has worked in a most energetic and efficient manner to put matters "right."

The Acting Conservator makes no remarks having only joined the Circle after the close of the Forest year under report.

## CHAPTER V.—GENERAL.

55. *Realization of revenue from the usufruct of toddy-yielding trees on Government wastes and poramboke lands.*—The revenue realized is Rs. 31,367 against Rs. 33,505 of last year, a decrease of Rs. 2,138. In *North Cuddapah* and *North Salem*, the fixed fee system was in force, the revenue collected was Rs. 1,862 and Rs. 1,596 against Rs. 2,143 and Rs. 1,748, respectively. In *South Salem* the usufruct of such of the trees as were not taken up under the fixed fee system were leased out as usual and the revenue realised under the fixed fee system and leasing was Rs. 313 and Rs. 2,363 against Rs. 380 and Rs. 2,443 in the previous year, respectively. There was a decrease in all districts except *East Cuddapah* and *Trichinopoly* where the revenue rose to Rs. 2,090 and Rs. 458 against Rs. 1,915 and Rs. 197 of last year, respectively.

56. *Measures adopted to encourage the growth of manure leaf-yielding trees and shrubs.*—In *Chingleput*, about 1,300 acres in coupes closed to grazing and blank areas in the reserved forests of Chingleput and Tiruvallúr ranges, were sown with seeds of various species. The germination is reported to have been good, but owing to absence of rains practically all the seedlings died out. In *Chittoor* about 40 acres were sown in blank areas of two reserves with *Cassia auriculata*, *Dodonœa viscosa*, and *Tephrosia purpurea* with successful results. In *Trichinopoly* owing to the absence of demand the operations were carried out in the Musiri Range, where seeds of suitable species were sown and proved a failure owing to drought. In *East Cuddapah* about 168 acres were ploughed and sown broadcast, in Pullampet, Badvel and Sidhout Ranges, with *Pongamia glabra*, *Cassia auriculata* and *Tephrosia purpurea Dodonœa viscosa* and other species. In *North Salem*, about 32 acres in reserves were ploughed and sown with seeds of *Dodonœa viscosa*, *Pongamia glabra*, *Tephrosia*, etc., species with unsatisfactory results. In Krishnagiri Range, 25 acres sown in 1906, were sold and realised Rs. 37 only. In *South Arcot*, 509 acres in blanks of felled areas were sown with seeds of manure leaf yielding species. In *North Cuddapah*, 250 acres in Cuddapah Range, 220 in Proddatur Range and 25 acres in Ráyachóti Range, were sown with suitable species. The seedlings are reported to be all doing well, except in Ráyachóti Range, where, owing to the operations having been conducted late it has proved a failure. In *Nellore* and *Guntúr* owing to the absence of demand no operations were conducted. Under G.O. No. 1605, dated 29th May 1911, such operations as these are to cease and the work of the Forest Department in this connection is henceforward to be limited to the production of seed of manure leaf yielding plants. The concession offered to ryots, of growing manure leaf species in poramboke lands on the cowle system was not taken advantage of in any of the districts.

### Rules under the Forest Act.

57. *Timber Transit Rules.*—The rules for transit of timber and sandalwood are reported to have worked satisfactorily in all districts where they are in force. The revised transit rules for Guntúr were sanctioned during the year and brought into force from 1st April 1911.

58. *Rules under Section 26 of the Forest Act.*—The privileges allowed under these rules were generally availed of by the people and no complaints or abuses were brought to light.

59. *Inventory of valuable stock.*—The registers are reported to have been maintained and verified in all districts.

60. *Rain-gauges.*—In *North Cuddapah* and *Chingleput* there are no rain-gauges. In all other districts, except *North Arcot*, readings are reported to have been properly recorded. In *North Arcot*, in one station the gauge was stolen and no information is available for the last five months of the year. In others, the readings were taken by Forest Guards and they are reported to be very inaccurate.

61. *Supply of forest produce to meet the wants of the people.*—In *North Cuddapah* permits were issued to a small extent for removal of forest produce from located areas in reserved forests in places where no depots were near. In *East Cuddapah* fuel chits were issued to villagers for fuel stacked in forests. In *Chittoor* permits were issued for manure leaves in all ranges, for bamboos in three ranges. Free removal of grass in head loads was allowed for *bonâ fide* domestic purposes. In *Chingleput* permits for classified timbers were issued to meet demands of ryots. Fuel was sold to villagers from coupes felled departmentally. Permits were also issued for manure leaves from area open to grazing, also for palm leaves and date ribs. In *North Arcot* permits were issued for manure leaves in all ranges, for bamboos from areas under sanctioned working plans. Grass was allowed free for *bonâ fide* domestic purposes. In *North Salem* permits were issued for removal from unreserves to villages far removed from reserves, and there was no demand for free removal of grass, and in *Trichinopoly* permits for minor produce were issued at stations located at convenient centres. The sale of timber, fuel, bamboos, and agricultural implements in departmental depots at reasonable rates have proved useful. Steps are being taken to transfer the working of fuel coupes to private agency, with a view to relieving the subordinate staff of their present work in connection with large departmental fuel operations and maintenance of depots and to enable them to devote more time to forest protection and their more legitimate duties.

62. *Sale of fuel at the edge of the forests.*—In *North Cuddapah* fuel is sold at the edge of the coupes to resident ryots and bullmen on a large scale. At the close of the year four fuel coupes were handed over to contractors. In *North Salem* attempts were made to obtain contractors but it is reported that no reliable trained contractors were forthcoming. This is likely to be the case until the district takes some in hand and trains them. In *Nellore* attempts were made in three reserves, and in one of them 21 stacks were sold in the forests and there is a likelihood of the demand increasing. In *South Arcot* produce was as usual sold at the edge of the forest. In the case of casuarina, the bulk of the fuel is felled and stacked departmentally and sold to contractors. Coupes were also sold standing. In *Chingleput* ten coupes were leased out to contractors, and in addition 495 tons of fuel were sold in the forests. In *Trichinopoly* 948 tons of fuel were sold in the forest and 31 coupes were leased out to contractors. In *East Cuddapah* five depots were leased to contractors. In *Guntúr* 86,000 cubic feet of fuel in Bápatla range and 4,320 cubic feet in Guntúr range were sold in the forests. In *Chittoor* 17 coupes were felled departmentally and fuel sold in the coupes.

63. *Arrangements made for the transfer of sale depots to private agency.*—In *North Cuddapah* four depots were transferred. In *East Cuddapah* five were transferred and it is hoped to transfer some more at an early date. In *North Salem* ten depots were leased against eight in last year. The contractors were bound down to sell at fixed rate except in the Bangalore depot. In *Nellore* three depots were leased and there is a likelihood of leasing two more. In *South Arcot* owing to the sale of coupes standing and the springing up of private depots, two Government depots were closed and another will soon be closed. In *Guntúr* the question is still under correspondence. In *Chittoor* two depots were transferred to contractors and one coupe also was sold to a contractor. In *South Salem* three fuel depots and one coupe were transferred to contractors.

64. *System of holding the villages adjacent to particular forests responsible for the protection of these forests against illicit grazing or other offences on a large scale.*—In *North Cuddapah*, the Collector has published a notice defining reserves and villages and warning the villagers concerned. In *East Cuddapah*, the District Forest officer reports that a notice has been published in the District Gazette, defining villages and blocks. The notice is issued in the name of the District Forest officer and it is not mentioned if the Collector's approval was obtained. This is incorrect procedure and such notices should be approved and signed by the Collector. In *Nellore* nothing has been done. In *Chingleput*, the District Forest officer reports that there are no instances of organized illicit grazing or other offences on a large scale and hence no steps were taken to warn the villagers. In *Chittoor*, the District Forest officer reports that his proposals were pending sanction of the Collector. In *South Arcot*, the District Forest officer reports that lists were prepared, with the Collector's approval and sent to Revenue Divisional officers with a request to warn the villagers and that the Divisional officer, Cuddalore, has done so. In *North Salem*, the District Forest officer reports that in one Range (Salem West) 9 reserves were notified by the Collector for protection, that no notice was published in the District Gazette, but it was communicated to Revenue Divisional officers with a request to instruct Tahsildars to warn villagers. As regards other ranges, information was being collected. In *Trichinopoly*, the Collector has reported that no forest or a portion thereof was closed during the year on the ground that the villagers responsible to detect forest offences neglected their duty. Revenue officers were, however, advised to adequately warn the villagers concerned. In *Guntúr*, the District Forest officer reports having taken no action and pointed out the difficulty that would arise in fixing responsibility on villagers. He promised to deal with the subject when submitting proposals for the grazing possibility and proposals are awaited. In *North Arcot* and *South Salem*, no information has been received as to whether any action has been taken.

65. *Cultivation in reserved forests.*—In *Trichinopoly* the excess found on resurvey over areas admitted at settlement was treated as leases and assessment at local rates collected. In *South Arcot* eight acres in a casuarina plantation were leased for cultivation at a rental of Rs. 10-8-0. In *South Salem*, *East Cuddapah*, *North Salem*, there were no fresh grants, only the renewal of those given in previous years.

66. *Suits.*—In *North Cuddapah* the amount referred to in the suit pending last year had to be written off as the contractor was declared insolvent. In *Nellore* the suit referred to in the last year's report is still pending in the High Court. In *Guntúr* the property of contractor Narayana Rao, against whom a decree in favour of Government for Rs. 255–4–0 was obtained, has been attached; the amount has not been recovered owing to other decree-holders.

67. *Live-stock.*—In *South Salem* nine pairs of bulls were purchased. In *North Salem* of the 42 pairs of bulls and three pairs of buffaloes, five bulls died and eleven were sold during the year being found unfit. At the close of the year there were 34 pairs of bulls and three pairs of buffaloes; all reported to be in good condition. In *East Cuddapah* there were five pairs of bulls at the beginning of the year, and two pairs were purchased during the year. One pair was sold being unfit for further work and one bull died, leaving eleven bulls at the close of the year. The bulls that were in Trichinopoly were all sold.

68. *Hill tribes.*—In *Trichinopoly* the Malayalis in the Pachamalais were given certain concessions in respect of forest produce and grazing and in return assisted the department in both general and fire protection. Those on the Kollimalais of Namakkal taluk persisted in clearing and firing lands for shifting cultivation, without leave or license. It is reported that they have been made to agree to pay a nominal fee of rupee 1 per acre for the lands under cultivation and to give up shifting cultivation.

69. *Prospecting licenses.*—In *North Cuddapah* no new areas were leased out. One lease was cancelled and one expired by 5th June 1911. The lease over an area of 675·60 acres is in force and it is under contemplation to cancel it as no operations have been started yet. In *East Cuddapah* and *Trichinopoly* no licenses were granted.

### MICA AND MICA MINES.

70. *Applications.*—Forty-eight applications were received during the year under report in addition to the 14 pending disposal at the end of the previous year. Forty-two of these were disposed of during the year leaving a balance of 20 at the close of the year. Most of the applications were for prospecting licenses, of these one was for the new mineral called "Samaraskite" and the other for China clay.

*Mines in Government lands (State mines).*—There were 45 sanctioned mines at the end of June 1910. Of these, the lease of one expired and three were relinquished leaving a balance of 41 mines. Two mines were added during the year thus making a total of 43 working mines at the end of June 1911. Three exploring licenses and 12 prospecting licenses were also issued during the year. There was no satisfactory work in many of the mines during the year. No active steps were taken to take over possession of the mines not worked by M.R.Ry. A. Subba Nayudu pending final decision of Government on the late Collector's reference for a reconsideration of their order. Only five mines were worked satisfactorily and without break during the year.

*Patta land mines (shared mines).*—To the 24 mines at the commencement of the year one was added during the year. None of the mines worked well during the year.

*Mines in permanently-settled estates (private mines).*—All the ten mines are in Shrotriem lands; and the Kali Chedu mine in the Venkatagiri zamindari produced 128,218 lb. 12 oz. of mica worth Rs. 31,567–10–0.

*Illicit mining.*—No cases of illicit mining were brought to notice during the year.

*Outturn and royalty.*—There was increase both in the output and royalty realised during the year as compared with the previous year as noted in the margin.

| Year. | | LB. | OZ. | RS. |
|---|---|---|---|---|
| 1909–1910 | ... | 239,952 | 9 | 7,569 |
| 1910–1911 | . | 445,531 | 8 | 13,551 |

The increase is due partly to the working of the mines which remained idle in the previous year and partly to the systematic work turned out in two mines. The best mines in the district were not worked for the reason given under "mines in Government lands" and consequently there was a fall in the mica revenue as compared with the revenue of previous years.

*Financial results.*—The revenue realized during the year was Rs. 17,708 against Rs. 12,215 in the previous year.

*Labour.*—One thousand nine hundred persons were employed against 2,644 in the previous year, children not being allowed into the mines. The decrease is due to slackness in working and irregular payment of the wages by some of the miners. A large number of women and children is employed in cutting rounds and films. There was no change in the wages and the hours of working.

*Accidents.*—There was an accident in the mine at Inukurti in which two persons were killed and three received severe injuries.

*Ventilation and lighting in tunnels.*—No scientific method was employed to improve ventilation in the tunnels and there were no complaints with regard to ventilation and lighting.

*Inspection by superior officers.*—The District Medical and Sanitary Officer inspected 10 mines, the Collector 10 mines, the late District Forest Officer, Mr. Nallaswamy Nayudu 2 mines, the Divisional Magistrates 3 mines and the Inspector of Mines 42.

*Prospects of industry.*—The change in the prospects of the industry is not very appreciable. The industry has declined to a large extent owing to the increasing depth of the quarries and the growing expenditure in consequence and the depression in the market. There has been a slight revival during the year but how far the improvement is likey to continue it is difficult to say. Mr. Fred Cross has since withdrawn his application for a prospecting license in respect of copper.

## MADRAS DEPOTS.

71. *Supply and disposal of produce at the depots.*—The following shows the sources of supply, the quantity disposed of and the revenue realized and expenditure incurred during the year :—

*Firewood and Charcoal.*

| District. | Quantity disposed of. | Revenue realized. | Expenditure incurred. |
|---|---|---|---|
| | TONS. | RS. | RS. |
| Nellore ... ... ... ... | 10,398 | 89,150 | 45,867 |
| East Cuddapah ... ... ... | 3,191 | 29,592 | 27,455 |
| Chingleput ... ... ... ... | 678 | 4,609 | 3,236 |
| Chittoor ... ... ... ... | 121 | 648 | 654 |
| Total ... | 14,388 | 1,23,999 | 77,212 |
| *Bamboos.* | | | |
| | NO. | | |
| East Cuddapah ... ... ... | 68 | 4 | 2 |
| Chittoor ... ... ... ... | 70,888 | 1,171 | 845 |
| *Hay.* | | | |
| | TONS. | | |
| East Cuddapah ... ... ... | 36 | 1,148 | 871 |
| Chingleput ... ... ... ... | 1 | 12 | ... |
| Total ... | ... | 1,26,334 | 78,930 |
| *Add* Madras depot establishment charges under B. | ... | ... | 2,431 |
| Grand Total ... | ... | 1,26,334 | 81,361 |

Trevelyn's basin, Kondetope and Barber's bridge depots were supplied by Nellore, East Cuddapah and Chingleput, Salt Cotaurs by East Cuddapah and Chingleput and Royapuram by East Cuddapah and North Arcot districts ; the working of Salt Cotaurs and Royapuram depots, which received the greater part of their supply from the East Cuddapah and North Arcot districts, shows results which it is impossibe to consider as satisfactory.

*Financial results.*—The revenue and expenditure are compared below with those given in the previous year's report :—

| | 1909-10. | 1910-11. |
|---|---|---|
| | RS. | RS. |
| Revenue ... ... ... ... ... ... | 1,21,980 | 1,26,334 |
| Expenditure ... ... ... ... ... ... | 22,723 | 81,361 |

The percentage of expenditure to revenue, viz., about 64 per cent., was 44 per cent. in excess of the previous year. This fact is due to inclusion, during the year, of felling and transporting charges incurred by the supplying districts which were not taken into account in the previous year. If allowance were made also for the establishments, carts and bulls, depreciation and interest on tramway Rs. (2,354) and other sundry charges in the supplying districts and for deficits on fuel, which alone would amount to something above 25 per cent., the net result cannot be considered as commensurate with the time and labour involved in maintaining the depots. It has therefore been decided to abolish them as soon as possible.

H. B. BRYANT,
*Ag. Conservator of Forests, Central Circle.*

21*st September* 1911.

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## FOREST ADMINISTRATION REPORT,

### MADRAS PRESIDENCY,

SOUTHERN CIRCLE, 1910–1911.


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# FOREST ADMINISTRATION REPORT

## OF THE SOUTHERN CIRCLE

FOR THE

FOREST YEAR ENDING 30TH JUNE 1911.

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## CHAPTER I.—CONSTITUTION OF STATE FORESTS.

### 1. Alteration in Area.

*Reserved forests.*—The important variations were—

(*a*) An addition of 14 square miles by transfer from reserved lands and 9 square miles by recomputation of areas.

(*b*) Three square miles were deducted by the transfer of Karúr Taluk to Trichinopoly in the Central Circle.

(*c*) The adoption of Survey of India areas resulted in a net decrease of 151 square miles.

The total area fell from 4,995 square miles to 4,864 square miles. Two small areas of 4 acres were disafforested in *Tinnevelly.*

*Reserved lands.*—One square mile was newly constituted, 14 square miles were transferred to reserved forests, 7 square miles excluded at settlement and 4 square miles in the *Nilgiris* which were erroneously included in previous years and 9 square miles in *South Malabar*, on account of the adoption of Survey of India areas were deducted. The area at the close of the year was 555 square miles. It was stated in last year's Administration Report that 108 square miles remained to be transferred to unreserves in *South Canara*; it is now reported that this figure exists on paper only, the original areas not having been arrived at by actual survey.

### 2. Forest Settlement.

2. Four blocks in *South Canara*, three in the *Nilgiris*, one in each of *North Coimbatore*, *Central Coimbatore* and *Ramnad* and four in *Tinnevelly* were finally settled during the year. Twenty small additions, aggregating 684 acres, were brought under settlement; thirteen of these were in *Ramnad* and *Tinnevelly* for the improvement of forest boundaries. The balance under settlement was 42 blocks but the actual settlement of 20 of these was completed. The Special Deputy Collector in *Madura* completed the investigation of ten blocks and the officer in *North Coimbatore* verified the boundaries of nine reserved forests and prepared revised description of boundaries for seven of them. The cost of verification in the latter district amounted to Rs. 4,000.

### 3. Demarcation.

3. Two hundred and twenty miles of permanent demarcation was carried out during the year at a cost of Rs. 10,845. The progress was chiefly in *South Canara* and *Madura*. Six miles of the newly demarcated boundaries in *South Malabar* were cleared twice by subordinates. 14 miles of existing boundaries in *South Canara* were lined with stones, or trenched where stones were not available; of this, 6 miles were done by subordinates free of cost. In *South Malabar* boundaries were cleared for fire protection, the cost being debited to that head. All the lines in *Tinnevelly* and some in the *Nilgiris* and *South Coimbatore* are reported to have been cleared by subordinates. 5,134 miles were cleared by subordinates free of cost against 2,673 miles in the last year. In some districts the cost of demarcating annual coupes continued to be debited wrongly to "demarcation." 722 miles remained to be demarcated at the end of the year; of this 513 miles are in *Madura*, where every endeavour is being made to complete the work as soon as possible.

### 4. Forest Surveys.

*(a) By the Survey of India Party.*

4. The Survey of India party No. 7 continued the survey on the 2-inch scale of some of the reserved forests in *South Canara.* The progress report sent by the party is nil, presumably due to non-completion of the survey.

*(b) By Departmental Survey.*

5. The survey of the coupes of the year was carried out departmentally. In *South Malabar*, two plots of paddy land in new Amarampalam reserve were surveyed by subordinates at a cost of Rs. 17. A Surveyor in *Madura* surveyed the authorised and unauthorised cultivations within the forests investigated by the Special Deputy Collector. Four estates on the Anamalais in South Coimbatore were surveyed with internal details departmentally.

District Forest reference and other maps referred to in Section 80 of the Forest Code and fire protection maps were maintained and posted.

## CHAPTER II.—MANAGEMENT OF STATE FORESTS.

### 1. Regulation of Management.

*(a) Preparation and Control of Regular Working Plans.*

6. *Preparation.*—A working plan for the Mount Stuart forests in *South Coimbatore* was sanctioned, another for Puliyangudi working circle in Vasudevanallur ghât forests of *Tinnevelly* was prepared and is awaiting sanction. In *North Malabar* the preparation of plans for Takkel and bamboo working circles in Kanoth Range was taken up and a good deal of statistics collected for the revision of working plans for Begur and Chedleth Ranges. In all other districts District Forest Officers have been unable to attend to the preparation of Working Plans.

*Control.*—The following were the chief deviations from the existing working plans :—In *South Canara*, sandalwood fuel working circle No. VIII of Udipi Range was transferred to the closed area being unfit for working on silvicultural grounds. Two additional coupes in Andar South working circle were located for want of facility for water in the original coupes. Additions regarding rearrangement of coupes, period of rotation and creeper cuttings were made to the provisions of the existing working plans. In *North Malabar*, coupe XVIII of Begur and coupe III of Chedleth were not worked as the works in previous year's coupes were not completed and had to be continued. In *Kollegal*, sandalwood coupe VII of Bailur was not worked because spiked trees from coupe IX had to be removed. The provisions of the Talamalai working plan in *North Coimbatore* and the plans for Méttupálaiyam and Bolampatti Ranges excepting the Chinnar working circle in *Central Coimbatore* were not carried out being unworkable. The working plans for Varigalli valley and Thalinji in *South Coimbatore* were not worked for want of export roads. Dhally coupe III was not worked as it was not surveyed and demarcated in time; and smaller areas in Amaravathi and Kamanuthu working circles were exploited, plague having interfered with the work.

*(b) Preliminary Working Plans Reports.*

7. Preliminary reports for Abbigudde and Hulimishepare reserved forests in *South Canara* were prepared and are awaiting further inspection for completion. The revised preliminary working plan for the leased forests in the *Nilgiris* was sanctioned by the Board but for want of establishment its provisions were only partially carried out.

*(c) Annual Plan of Operations.*

8. Besides the deviations mentioned in paragraph 6 *supra* the only important deviations were : *South Canara.*—Trees in Someshwar timber working circle were sold standing instead of being removed on permits. Parappa addition I was not demarcated as the settlement of it was not completed. *North Malabar.*—No timber was

carted to Nanjangod and Kallai as the stock was sold in the forests, and bamboos were not felled in Kanoth Range as contractors could not be had and the Range Officer was unfit to carry out the felling departmentally. *South Malabar.*—The proposed construction of roads, bridle-paths and serambis in the Silent Valley were postponed as on personal inspection they were found either unnecessary or premature. The depot-keeper's quarters at Beypore, demarcation of Panakadan reserve and sinking three wells not provided for were undertaken. *The Nilgiris.*—The plantations at Ootacamund were not felled as there was sufficient stock and an inspection shed at Sholur was not constructed for want of a suitable site. *Kollegal.*—Ponnachi-Hosúr road was not completed and Hanur-Cowdally road not taken up for want of establishment. The construction of a rest-house at Ponnachi was abandoned in favour of one at Gobinatham. *North Coimbatore.*—One proposed road and two rest-houses were not built for want of funds. *Central Coimbatore.*—Three fuel coupes in Méttupálaiyam Range were not felled as the demand was met from other coupes. The proposed rest-house at Vellapathi and the subordinates' lines at Gopanari were deferred, the former for reconsideration in connection with the proposed buildings for the Attapadi valley and the latter pending selection of a good site. *South Coimbatore.*—Spokes and felloes were not manufactured, a large stock remaining unsold. The construction of Tekadi ghat, Varigalli valley and Talinji roads was postponed because the estimates for the first two were not sanctioned and the trace for the third could not be made for want of a trained establishment. The proposed construction of a serambi at Ulandi was deferred, funds having been utilised to proceed with the buildings at Tekadi. *Tinnevelly.*—Three roads and two lines for subordinates were postponed in favour of more urgent works; a bungalow and a set of subordinates' lines were also deferred, sites not having been selected.

## 2. Communications and Buildings.

### (*a*) *Roads and Bridges.*

9. Three roads (length twenty-two miles) in *North Coimbatore* and the Tekadi tramway, inclined plane and road (length fifteen miles) in *South Coimbatore* were traced and estimates prepared; two miles of the Varigalli valley road in the latter district were also completed and the estimate for its total length (5 miles, 5 furlongs) was sanctioned by Government after the close of the year. In *Kollegal*, two miles of Araipalayam road were constructed and the Ponnachi-Hosúr road was under progress. Nine miles of bridle-path in *Madura* and four miles in *Tinnevelly* were constructed; in the latter district, Kodamadi and Kuduvari roads were also extended by three and two miles, respectively. The roads in *Kollegal*, *North Coimbatore* and *Madura* were maintained and large amounts were spent on necessary repairs.

No progress was made with the Wynaad tramway and the estimates and plans for it have to be revised in accordance with the orders of Government. The tramway in *South Coimbatore* was worked as usual. Taking into account the increased rates for hired carts and bullocks now prevalent and the savings due to opening of branch lines, the working shows a profit of Rs. 3,056 against a loss in previous years.

The wire-rope-way was dismantled during the year.

The total expenditure on communications during the year amounted to Rs.41,024.

### (*b*) *Buildings.*

10. During the year, the total expenditure on new buildings and on repairs and maintenance to existing buildings for the whole circle amounted respectively to Rs. 32,064 and Rs. 12,418. The new important works were the construction of a Range office at Shankaranarayana in *South Canara*, depôt-keeper's quarters at Beypore in *South Malabar* and in the *Nilgiris*, forester's quarters at Avalanche and a charcoal godown at Ootacamund. In *Kollegal*, rest-houses at Gundal, Hanur and Gobinatham were commenced, the first two were nearing completion. Rest-houses at Kongarapalayam and Markampalayam and subordinates' lines at Thattakarai were constructed and the construction of range quarters at Burgur and subordinates' lines

at Girgagandi was commenced in *North Coimbatore.* In *South Coimbatore,* the buildings at Tekadi were proceeded with ; three sets of lines for subordinates were constructed in *Madura* and two in *Tinnevelly.*

### (c) *Miscellaneous Works.*

11. In *South Canara,* rocks in the Netravati and Arehole rivers were blasted to facilitate rafting and boating. In *North Malabar,* pipes were laid down for supply of water to the bungalow at Alattur and the District Forest Officer's quarters. New wells were dug in six places, and several of the existing wells deepened and compounds fenced. The miscellaneous works of the year cost Rs. 4,819.

## 3. Protection of Forests.

### (a) *General Protection.*

12. The following statement gives the comparison between the offences of the year and the preceding year under the different heads :—

| Class. | Injury to forest by fire. | | Unauthorised felling or appropriation of wood and minor forest produce. | | Grazing without permission or in tracts in which grazing is prohibited. | | Other offences. | | Total cases. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. |
| *Reserved forests.* | | | | | | | | | | |
| Cases taken into court. | 37 | 35 | 596 | 418 | 313 | 265 | 146 | 122 | 1,092 | 840 |
| Cases compounded .. | 26 | 50 | 1,895 | 2,174 | 1,044 | 1,425 | 211 | 150 | 3,176 | 3,799 |
| Cases undetected .. | 296 | 438 | 4 | 7 | 224 | 150 | 2 | .. | 526 | 595 |
| Total .. | 359 | 523 | 2,495 | 2,599 | 1,581 | 1,840 | 359 | 272 | 4,794 | 5,234 |
| *Unreserved lands.* | | | | | | | | | | |
| Cases taken into court. | .. | .. | 31 | 80 | .. | .. | .. | 6 | 31 | 86 |
| Cases compounded .. | .. | 1 | 138 | 635 | .. | .. | .. | 21 | 138 | 657 |
| Cases undetected .. | .. | .. | .. | .. | .. | .. | 2 | .. | 2 | .. |
| Total .. | .. | 1 | 169 | 715 | .. | .. | 2 | 27 | 171 | 743 |
| Grand Total .. | 359 | 524 | 2,664 | 3,314 | 1,581 | 1,840 | 361 | 299 | 4,965 | 5,977 |

*Offences in reserved forests.*—The total number of offences increased by 9 per cent. and the increase was under all the heads except "Other offences." The increase under "injury by fire" was mainly in *South Canara* due to more accurate registration of fires and to treating several cases as undetected offences. The increase under "illicit fellings" was in *South Canara, Madura* and *Tinnevelly* and under "illicit grazing" mainly in *Madura,* and for this no explanation is given in the district reports. The number of offences in *Kollegal* and *North Coimbatore* has decreased, the decrease in the former was due to want of supervision, the subordinates having been engaged on building and other works, and in the latter to the fact that a large number of offences detected by the students of the Vernacular Training School contributed to the increase last year. This shows that protection continues to be bad owing to paucity of establishment.

Of the cases taken into court, 89 per cent ended in conviction against 91 per cent. in the last year. The number of cases withdrawn after they were taken into court has considerably fallen, due to change in classification in *South Canara.* The punishments inflicted by subordinate Magistrates are reported to be fair in *South Canara* and satisfactory in *Central Coimbatore.* In *Kollegal* and *North Coimbatore* the number of cases of illegal rescue of cattle continued to increase and this increase is attributed to the lenient punishments inflicted by Magistrates. It is reported that the District Magistrate has taken due notice of this. In the matter of holding adjacent villagers responsible for commission of offences in particular forests, action was taken during the year only in *North Malabar, Kollegal* and *North Coimbatore.* The villagers adjoining Tirunelli and Hilldale blocks in *North Malabar* were warned of the closure of the forests to grazing, on any offence being proved due to their carelessness,

and the result of this procedure has so far been very satisfactory. In *Kollegal* and *North Coimbatore* the necessary notification regarding the forests and the villagers to be held responsible has been published in the District Gazette.

*Offences in unreserved lands.*—Thirty-seven cases are reported to have been compounded and seven prosecuted by one of the Divisional Officers in *South Coimbatore*; details however have not been reported. Complete information has not been furnished by *North* and *Central Coimbatore.* No comparison can be made, as such offences were not reported last year from some districts.

13. The total number of cases compounded and the fees realized were 3,862 and Rs. 39,022 respectively against 2,942 and Rs. 28,507 in the previous year. These figures also do not admit of useful comparison for the reason given under *offences in unreserved lands.*

14. In *South Canara* a Revenue Inspector and an informer were granted each a reward of Rs. 15 in a case of extensive illicit fellings from kumaki and adjoining unreserved lands. In *Kollegal* Rs. 75 to subordinates and Rs. 20 to informers were granted as rewards in two cases, one of illicit felling of green trees and the other of setting snares. Rewards amounting to Rs. 29 were granted to six persons in *North Coimbatore* for good services rendered by them in the detection of three cases. A Village Munsif in *Rámnád* was rewarded Rs. 2 for detecting a case of felling in unreserved lands.

(*b*) *Protection from Fire.*

15. *Special protection.*—The system of protection adopted in previous years was continued during the year. The area attempted to be protected was 1,291 square miles against 1,311 square miles in the previous year and the area burnt during the year was 40 square miles against 63 square miles in the last year. The proportion of successful protection increased from 95 per cent. to 97 per cent. and the cost per square mile of successfully protected area rose from Rs. 18–4–3 to Rs. 23–8–10. The increase in cost was due to the increased expenditure incurred in *North Malabar*, *Kollegal*, *North Coimbatore* and *Madura.* In *North Coimbatore* the increased expenditure was due to clearing of additional lengths of lines such as paths, roads and other sources of fire caused by travellers; in *Kollegal* and *Madura* it was due to a larger area being brought under protection. In *North Malabar* there was a large increase. Last year there was no expenditure on Tirunalli block as the whole block was burnt before work commenced. The block was successfully protected this year. The general results for the circle are excellent.

16. *General protection.*—The area attempted amounted to 3,310 square miles against 3,020 square miles in the previous year; the increase is due to the inclusion of areas in *Madura* not shown in last year's return. The percentage of failure fell from 4·9 to 1·9 per cent. The registration of fires in these areas is reported to have improved a little in three of the ranges in *South Canara* and continued to be unreliable elsewhere in the circle.

17. The number of, and the causes to which, fires were attributed are given in Appendix D. Compared with the figures of the last year there was an increase in the number of fires, but the area burnt decreased by about 50 per cent. The increase of fires was chiefly in *South Canara* due to more accurate recording.

(*c*) *Protection from Cattle.*

18. The area closed entirely to grazing for the whole year was almost the same as that of last year and that closed for part of the year decreased from 42 to 26 square miles. The decrease was due to reopening of areas closed in the previous year in *Tinnevelly* and *Rámnád* for incendiarism. 77 per cent. of the total area of forests was open to all animals except goats. Goat-browsing was allowed only in *Madura* where the area open was the same as in the previous year, *i.e.*, 2 per cent. of the total area.

The number of cattle impounded during the year is analysed in Appendix E. The figures compared with those of last year decreased from 27,152 to 26, 676. The fluctuations are marked in *North Coimbatore* and *Madura*; the decrease in the former district is attributed to the reduction in the number of grazing offences, while the increase in the latter to the area open to grazing and browsing being restricted.

*(d) Protection against Injuries from Natural Causes.*

19. In *South Canara*, caterpillars again defoliated teak. The heavy rains during the autumn of 1910 in *South Malabar* probably prevented the attack of *Hyblœa* and *Pyrausta*. Green locusts appeared in the autumn, but the damage caused was not great. Young locusts about the size of grass-hoppers appeared in 1900 and 1901 plantations swarming on the ground and undergrowth; a large number of these were caught and destroyed by coolies at a cost of Rs. 18. Mahogany borer caused no fresh damage and the trees attacked last year are reported to be growing well. Abnormal floods in June washed away in different places about 3 acres and in Chathamborai plantation 30 teak trees were uprooted. Land slips during the flood in Valluvasheri, Karimpoya and Edacode plantations uprooted 64 trees. A breakwater was constructed in Chathamborai, but before it was completed there were heavy floods. Erosions in the Beypore tope are caused by the beating of the water in the backwater; but no forest growth is in danger. Many trees and bamboo clumps were blown down by a severe storm in March and 446 teak trees were uprooted or badly broken by a heavy storm in June. The spread of spike among the sandalwood trees has not entirely ceased in *North Coimbatore*; it continues to spread in *Kollegal* where 7,243 spiked trees were removed; so far, the cause of the disease has not been discovered. In *Central Coimbatore*, several fungoid leaf diseases were observed. Among those identified were *Uncinula tectonæ* found on teak, not hitherto recorded in Southern India, and *Gamblœla Cornuta* found on *Berberis Nepalensis*, recorded only in the Himalayas. In *Ramnad* and *Tinnevelly*, caterpillars (a species of sphinx) caused much damage specially to *Anogeissus latifolia* and *Azadirachta indica*. In the latter district, several standards in coupes died owing to drought.

## 4. Sylviculture.

*(a) Natural Reproduction.*

20. In *South Canara*, natural reproduction was good, but seedlings were much damaged in over-grazed areas. *Hopea parviflora* seeded and germinated abundantly. *Xylia dolabriformis* reproduced itself well, especially in coppiced areas. Teak regeneration was much better in Sampaji and Todikan reserves, burnt over every year, while it was almost nil in the successfully protected Parappa reserve. In *North Malabar*, the reproduction of most species, except teak and *Lagerstromia lanceolata*, was satisfactory. In *South Malabar*, reproduction was on the whole good. *Terminalia tomentosa* is coming up on the edges of some of the understocked swampy areas in the New Amarampalam reserve. In the *Nilgiris*, natural reproduction of valuable species was poor. In *Kollegal*, reproduction of *Anogeissus latifolia* is particularly good in fire-protected areas. *Pterocarpus Marsupium* is promising. Teak has regenerated excellently from old shoots and seedlings, killed last year. In *North Coimbatore*, reproduction from seeds and root-suckers was good and *Hardwickia binata* regenerated well in the Pálár valley, but was damaged much by cattle. Much harm was done by cattle to sandalwood areas under regeneration. Pits from which sandal was extracted were covered with thorns to protect suckers against cattle. In *Central Coimbatore*, reproduction from seeds with a few exceptions was poor. In lands where grass is not dense, many seedlings and root-suckers are found. *Dalbergia latifolia* reproduced abundantly from root-suckers in grass areas escaped from fire and grazing. Reproduction from seeds of *Hardwickia binata* is abundant in Singara tope, an area successfully protected against fire and grazing. In *South Coimbatore*, teak, *Pterocarpus Marsupium*, *Xylia dolabriformis*, *Grewia tiliæfolia* *Terminalia tomentosa*, *Terminalia paniculata* and *Dalbergia latifolia* regenerated excellently, but the encroachments of bamboos and lantana are doing much harm. *Anogeissus latifolia* reproduced in profusion on the Punachi Hills. In *Madura*, reproduction in the unworked ever-green forests was good. In *Ramnad*, teak and Albizzias reproduced well in deciduous forests. In *Tinnevelly*, reproduction was poor and seedlings that had sprung up died for want of rains.

Reproduction by coppice was good everywhere. It was very satisfactory in the Eucalyptus plantations and in Mudumalai Working Circle in the *Nilgiris*, in Ennamangalam fuel coupe in *North Coimbatore* and in the moist forests of Chenat Nair, Walayar and Chinnar in *Central Coimbatore*.

## (*b*) *Artificial Reproduction.*

21. *Regular plantations—North Malabar.*—700 *Pterocarpus Marsupium* and 800 teak seedlings were planted over 400 acres in Begur coupe VIII. 1,500 mango and 700 teak seedlings were planted in a clearing half a square mile, near Begur camp. Mango seedlings withered, for want of rain, the teak is doing well. *South Malabar.*—In Karimpoya, 136 acres were planted with teak, 8′×8′ and in the swampy portions with *Terminalia tomentosa.* The plantation of 1910 was completed, 20,900 casualties were replaced and 92,480 teak seedlings were newly planted. 137 acres were cleared and prepared for planting in 1911. 45,698 casualties were replaced in plantation 1909. The young cocoanut plantations in Beypore tope were maintained. *The Nilgiris.*—Experimental planting of nine new varieties of Eucalyptus was continued ; 42 acres of Snowdon plantation commenced last year was completed ; planting in Aramby and Keti plantations (74 acres) was continued. Mr. Butcher, Curator, Government Gardens, rendered great assistance in carrying out the experiment. The entire maintenance of Kallar and Benhope plantations has been transferred to the Curator of the Government Botanical Gardens. Two of the Jackal plantations were planted with *Hakea* and *Cypress* seedlings at a cost of Rs. 166. The *Hakea* is doing well but most of the latter have failed. *Central Coimbatore.*—The small Sadivayal plantation in Bolampatti II reserve has recovered well from last year's burning, the whole area was freed of grass by neighbouring villagers who were allowed to remove the grass free of charge. Palmyra seeds were dibbled in over 35 acres in Virumandampalayam reserve ; several germinated and are doing well. Mahagony seeds collected in Dhoni plantation were sown in a nursery for planting during rains. *South Coimbatore.*—Planting 10 acres of Karianshola was completed at a cost of Rs. 242 ; adjoining, another 30 acres was cleared and burned and seeds dibbled in during rains. Anaipadi, Waterfall and Mudi plantations were cleared and weeded and seedlings dibbled in in blanks. These are doing well. *Madura.*—The Upper Palni pine plantation was extended. 218,904 seedlings were raised and basketted. Seedlings of 1907–1908 are doing well, their average height being 3 to 5 feet; *Pinus pondurosa, Pseudotsuga macrocarpa* are slow in growth ; *Pinus insignis, P. radiata, P. attenuata* and *P. Sabaniana* are doing very well. 96,825 seedlings were planted out during the year in blocks, 6 feet apart, each block having a single species. *Tinnevelly.*—Seeds of several species were sown in 115 acres in Teri and Kaliavur reserved forests ; margosa and tamarind seeds were damaged by rats and squirrels ; seeds dipped in kerosine oil emulsion produced a little better result.

*Taungya plantations.*—In *South Canara*, 183 acres were kumaried and seeds sown by Maratties ; as usual the results were poor. In *North Malabar*, mango, *Artocarpus integrifolia* and *A. hirsuta* seeds were sown by the Kurchiyur ponam cultivators with their crops over 250 acres in Kanoth range ; the results were very uneven owing to want of adequate supervision. One hundred acres of unreserved lands in the same range were granted to selected ponamdars on condition that they not only sow seeds of the above mentioned species but would cultivate ponam twice successively on the same land.

*Cultural operations—South Canara.*—Seeds of valuable timber species were sown by the protective establishment and the work was scattered over a large area. Seeds of *Terminalia tomentosa* and *Artocarpus hirsuta* were dibbled in and *Hopea parviflora* and *Acacia Catechu* sown broad-cast resulting in a very large number of healthy seedlings. In *North Malabar*, a large number of heaps of useless chips and top branches were burnt in Begur coupe VIII and teak seeds dibbled over burnt areas. Tamarind seedlings planted 50 feet apart over 3 furlongs on the Kuppadi-Padipura fire line are in good condition. *South Malabar.*—12 cocoanut seedlings were planted round Nedungayam rest-house. Twenty-five acres of third class area in Valluvasheri plantation were planted and sown with valuable species at a cost of Rs. 169. *Dalbergia latifolia* and *Pterocarpus Marsupium* were planted along fire lines and 360 *Terminalia tomentosa* seeds dibbled in around an open swamp in 1868 plantation. Third class areas planted in previous years were weeded and 7,084 casualties replaced by different species including 2,234 *Swietenia macrophylla.* A small nursery was formed to replace casualties in the plantations, costing Rs. 71. In the *Nilgiris*, 5 acres of tuckle area in Benne forests were cleared and planted with teak, *Pterocarpus Marsupium* and Mahogany seedlings. In *Kollegal*, 200 measures of sandal seeds were

dibbled in old pits and under bushes over an area of 1,870 acres in Bailur reserve. *In North Coimbatore*, sandal seed was dibbled in Gutialattur and Burgur coupes and margosa in 29 acres of Kanakampalayam fuel coupe. The margosa seedlings withered in the hot season. Eighteen bags of *Pterocarpus Marsupium* and 13 bags of *Dalbergia latifolia* seeds were sown in several places and there were 1,355 Pterocarpus seedlings at the end of the year. Dalbergia failed, the seed being bad. Ninety-five seedlings of vengai and rosewood were thriving in the areas in which seed was dibbled in at Geddesal by the students of the Vernacular Training School, last year. Several root-suckers, 3 to 4 feet high, were found growing after 8 months, in trenches dug 2 feet deep and 40 feet from a *Dalbergia latifolia* tree. *Central Coimbatore.*—Broadcast sowing and sowing in patches under existing shade in the dry zone forests produced no results. In *Ramnad*, seeds sown failed in all except one coupe. Sowings of past years also have yielded no results. In *Madura*, 167 acres were cleared in Palamedu range; of this 120 acres were ploughed and sown with *Tephrosia purpurea* and *Cassia auriculata* at a cost of Rs. 419. *Tinnevelly.*—Seeds sown in coupes did poorly for want of rain. Cuttings of *Odina Wodier* and *Ficus bengalensis* were planted in Teri reserve; a fairly large proportion have struck roots. 145 measures of *Cassia auriculata* and 127 measures of *Tephrosia purpurea* seeds were sown over nearly 40 acres of Gangaikondan and Kaliavur reserves; results bad owing to drought.

*Collection of seeds.*—Five hundred pounds of teak seeds were sent from *South Malabar* to Nairobi, British East Africa, and 50 bags of teak seed to West Kurnool. 113 bags of different species of seeds were sent from *South Coimbatore* to the Northern and Central Circles.

### (c) *Operations for Improvement of the Growing Stock.*

22. *Improvement Fellings.*—In *South Canara*, improvement fellings to assist the growth of *Hopea parviflora* were made over 580 acres, 480 acres at Rs. 285, the remainder by subordinates. In the *Nilgiris*, 350 acres of Block 1, Compartment 1, of the Mudumalai Working Circle was treated and in *Tinnevelly*, 13 acres in Nadugani Working Circle.

*Thinnings.*—In *South Malabar*, 1,014 acres of teak plantations were thinned at a cost of Rs. 1,198. In the *Nilgiris*, Mudumalai teak plantation was thinned and 892 poles removed. In *Central Coimbatore*, four coupes in Kunnathoor Acacia Working Circle were thinned.

*Fencing—North Malabar.*—Bamboo fencing was put up around Begur vengai plantation to prevent sambur getting in. In *South Malabar*, a wire fence was put round Beypore tope against cattle, costing Rs. 158 and Swietenia macrophylla avenue trees were fenced.

*Creeper cutting.*—In *South Canara*, 1,246 acres, cost Rs. 194 and 124 acres was done by subordinates. *North Malabar.*—22½ acres in Begur teak plantations cut over. In *South Malabar*, the cutting over 595 acres in Karimpoya young teak plantation, 1901 to 1905, cost Rs. 332. Creepers were also cut in other plantations when thinnings were made; subordinates cut 4 acres in Panakadan reserve. In *North Coimbatore*, standards in fuel coupes and all sandal trees were cleared of creepers. In *Ramnad* and *Tinnevelly* some areas were cut by subordinates free of cost.

*Removal of parasites.*—In *South Malabar*, this was done over 440 acres of plantations, costing Rs. 378.

*Pruning—South Malabar.*—Pruning was carried over the whole of plantations, 1908 and 1909, and over 66 acres in 1907 plantation, costing Rs. 287. In *Kollegal*, the lower branches of standards in Gundal Coupe IV were pruned.

*Removal of noxious growth.*—In *North Malabar*, lantana was uprooted over 12 acres of plantation. In *South Malabar*, undergrowth was cleared in lines one chain apart over 1,014 acres to facilitate marking for thinnings. *Central Coimbatore.*—Bamboos having seeded throughout Walayar and Sholakarai reserves, they were sold standing as a protection against fire and as an attempt at eradicating them. Eradication of prickly-pear was continued; satisfactory results were not achieved as the work was not thoroughly done on account of the small outlay. The operation will be continued. *South Coimbatore.*—Weeds and shrubs cleared and the soil turned up around all seed bearers of good species in Compartment II of Poonachi Working Circle.

## (d) Experiments.

### (i) On Species.

23. *Swietenia Mahagoni*—In *South Canara*, most of the 299 trees referred to last year are reported to be doing well as garden plants. *South Malabar*.—Out of 306 mentioned last year, 76 plants survived ; those planted as avenue trees in Karimpoya plantations are in fair condition. *The Nilgiris*.—The plants put in the tuckle areas were killed by deer. *Central Coimbatore*.—Several of the trees at Vellapathi died, cause not known ; but a bark boring caterpillar similar to *Arabela tetreonis* was found attacking one of the trees. *South Coimbatore*.—Two trees at Easalammanthorai and those at Anamalai are thriving. *Madura*.—The trees at the bathing mantapam, Alagar Hill and two in Kanavoipatti rest-house are doing well.

*Swietenia macrophylla*.—The big tree at Chathamborai, *South Malabar* has grown two feet higher and added 2½ inches to girth. Four pounds of seeds were collected locally and 2,000 seedlings raised. The trees in Pokote and Edacode are damaged by monkeys. Heartwood was not conspicuous in a plank of *S. macrophylla* cut from one of the trees in Edacode plantation 1893. Planting of the species continued in Kaliavur reserve, *Tinnevelly*.

*Ceara Rubber* (*Manihot Glaziovii*).—The trees in *South Canara* do better than para rubber and those in *South Malabar* are not doing any good.

*Cedrela odorata*—continues to thrive well in *South Malabar* and *Coimbatore*.

*Catalpa speciosa*.—Five plants survive at Geddesal. The locality apparently is unsuitable.

*Kicksia africana* and *Landolphia florida*—are doing well in *South Malabar* but monkeys are damaging the latter.

*African acacias*.—Three of these still survive in *South Malabar*.

*Araucaria Cunninghamii*.—Two seedlings have been raised and planted out at Woodcock Lodge, *Nilgiris*.

*Camphor*.—The transplants in Sim's park are well established and those in *Madura* are doing well.

*Erythrina latissima*.—Three plants survive in the *Nilgiris*.

*Widdringtonia Wightii*.—The trees in Sim's park are dying. The tree has however been established in the Nilgiri plateau and some of the trees at the Government House are 20 feet high.

*Bamboos*.—*Bambusa longispathus* are growing well at Pokote, but they are too small to be of much value. Seven clumps of *Arundinacea Brandisii* (Giant Bamboo) in Aravillikava and Edacode are doing well. The growth of two clumps of *Bambusa vulgaris* in Aravillikava is slow.

### (ii) On other points.

24. The second series of observations were made to determine the annual upward growth of teak in *South Malabar*, and they indicate an appreciable rise in 23 out of 31 stems—nearly ¾ inch in some cases.

Areas to test the effect of firing on the quality and quantity of grass were maintained in *North* and *Central Coimbatore* ; in the latter district the area was not well chosen and any useful result is doubtful and in the former the progress is not mentioned. In *Madura* the experiment was commenced on a fresh area.

In *Madura* two leaf silos prepared last year were opened ; the silage in one was sold for Rs. 25, but was not removed by the purchaser and there was no demand for the other pit. The Government have since ordered to discontinue the experiment.

In *South Malabar* 133 young teak trees, badly attacked by larvae of a Buprestid beetle in Karimpoya plantation 1908, were coppiced and strong shoots one to three feet high were found in three months' time.

## 5. Exploitation.

### (a) System of Management.

### (i) *Major Forest Produce.*

#### (1) *Clear or Regeneration Fellings.*

25. In *South Canara* 3·74 acres of casuarina in Tannirbhavi plantation were clear felled. In *South Malabar* 137·08 acres were clear felled in coupe III of Karimpoya reserve for the formation of plantation in 1911; the amount realized was Rs. 3,968–2–11. In *South Coimbatore* 30 acres in Tunacaduvu reserve were felled and burnt for planting in accordance with the sanctioned working plan.

#### (2) *Selection Fellings.*

26. *South Canara.*—Selection fellings were carried out in a portion of coupe VII of Madibare and mature trees in Someshwar coupe were sold standing. *North Malabar*—500 acres in coupe VIII of Begur and 370 acres in coupe X of Kurichiyat were felled. *The Nilgiris*—Sandalwood fellings in Sigur range yielded 353 maunds. *Kollegal*—1,332 sandalwood trees were felled in coupe X of Madeswaranmalai. Spiked, dead and dying sandalwood trees were removed from Bailur Coupe IX. In *North Coimbatore* sandalwood trees were felled over an area of 10,608 acres and bamboos extracted from coupes of 20,347 acres. *South Coimbatore*—Selection fellings were completed in Compartment XVII and commenced in Compartment XVIII of Tekadi leased forest. Punachi Coupe II was felled and trees were selected and marked in Coupe III. *Madura*—One hundred trees in Vannathiparai forest were selected and sold for Rs. 4,210. *Tinnevelly*—Two hundred and twenty-six trees were selected in four forests and sold standing.

#### (3) & (4) *Improvement and Coppice Fellings.*

27. In *South Canara*, eleven coupes covering 572 acres were coppiced in Coondapur and Shankaranarayana Ranges. Thirtysix acres were felled in Udipi Range to supply fuel to one hundred and four sandalwood oil-stills. In *North Malabar* a coupe of 10 acres in Kanoth reserve was felled for supply of fuel to Tellicherry town. In *South Malabar* thinnings were carried out and 24,934 teak trees and 120 miscellaneous trees were removed; 120 dead or uprooted trees were also removed. 69 teak saplings which interfered with the growth of Mahogany trees were felled. In *the Nilgiris* improvement felling was carried out over 350 acres in Mudumalai working circle yielding 15,151 cubic feet of timber, chiefly teak. 27 acres of blue-gum plantation in Coonoor Range were coppiced. In *Kollegal* bamboos were extracted from Araipalayam and Gundal coupes. In *North Coimbatore* nine fuel coupes covering 786 acres and 55 acres for drag poles and agricultural implements were coppiced. In *Central Coimbatore* all coupes were worked under coppice with standards. In *South Coimbatore* seven fuel coupes, area of 171 acres, were coppiced and improvement felling was made over 128 acres in Punachi Coupe II. In *Madura* 36 coupes aggregating 3,808 acres and 11 tank beds were coppiced. In *Tinnevelly* 18 coupes were coppiced and 8 coupes in tank beds were also worked. In *Kollegal* and *Rámnád* the outturn is given but the details of area coppiced are not reported.

#### (5) *Unregulated Fellings.*

28. In *South Canara* 140 cinnamon oil-stills were worked, the fuel required being obtained from unreserved lands; the revenue collected was Rs. 1,061. In *the Nilgiris* permits were issued for the removal of small timber, fuel, bamboos, etc., by the resident ryots. Timber and bamboos were removed on permits in *Kollegal* for the construction of plague camps.

### (ii) *Minor Forest Produce.*

#### (1) *Miscellaneous Produce.*

29. Minor produce was generally leased out. Catechu in *South Canara* was manufactured departmentally. In *North Malabar*, *Kollegal*, *North Coimbatore*, *Tinnevelly* and *Ramnad* some items of minor produce were collected departmentally. In *Madura*, thatch grass, thorns, manure leaves (except in two ranges) and stones in reserved forests were removed on permits.

(2) *Extraction of Fodder.*

30. Grass is removed on permits in *Kollegal* and *Madura* and included in minor forest produce leases in *Rámnád* and *Tinnevelly.* The removal of fodder and thatching grass was allowed free in *South Canara.* In the *Nilgiris,* cutting of grass on the Wenlock Downs was permitted free; the Todas of the plateau and the Chetties of Mudumalai were also permitted to remove free of cost grass required for thatching. The concession of free removal of grass is not required in *Malabar* and was not allowed in the four divisions of *Coimbatore.*

(3) *Hay-making.*

31. About 20 tons of hay were collected in *South Canara* and used for feeding Government bullocks. In *Central Coimbatore,* about 50 tons of hay were made. There is little or no demand for this and a large quantity is in stock including the previous years' outturn.

(4) *Grazing.*

32. Grazing was regulated by issue of permits for individual forest, block, working circle or compartment. The forests in *South Malabar* are closed to grazing. Goat-browsing is permitted only in *Madura* where steps have been taken to reduce the area open to browsing. The question of regulating grazing in the *Nilgiris* was enquired into and reported on and the matter is now pending orders of the Board. In *North Coimbatore,* a scheme for regulating grazing in the forests of Talamalai Range was formulated and the orders of Government are awaited. In *South Coimbatore* the forests of Dhárápuram have been closed to grazing and a scheme for the forests of Udumalpet has been sanctioned and introduced during the current year. Enquiries regarding the grazing possibility have been completed for all districts except *South Malabar, the Nilgiris* and *Central Coimbatore.* The number of animals licensed to grazing on payment was 491,658 against 591,882 in the previous year; the decrease is merely on paper and is due chiefly to change of grazing season in Malabar, Coimbatore and Tinnevelly.

(*b*) OUTTURN AND SOURCES OF FOREST PRODUCE.

33. The following abstract compares the total outturn of timber and other produce collected by different agencies from all classes of forests during 1909–1910 and 1910-1911:—

| Agency of exploitation. | Timber including sandalwood in cubic feet. | | Fuel in cubic feet. | | Bamboos in numbers. | | Minor produce including grass and grazing in rupees. | |
|---|---|---|---|---|---|---|---|---|
| | 1909–1910. | 1910-1911. | 1909-1910. | 1910-1911. | 1909-1910 | 1910–1911. | 1909-1910. | 1910–1911. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| By Government agency. | 407,308 | 262,741 | 2,986,504 | 2,776,940 | 105,810 | 177,515 | 37,307 | 24,717 |
| By purchasers .. .. | 456,977 | 363,731 | 2,997,585 | 2,892,240 | 4,982,721 | 5,209,774 | 2,70,589 | 1,84,875 |
| By right holders .. .. | 92,635 | 63,975 | 106 | 2,500 | 2,775 | .. | 1,081 | 823 |
| By free grantees .. .. | 14,023 | 20,109 | 3,645 | 2,126 | 2,400 | 14,726 | 820 | 452 |
| Total .. | 970,943 | 710,556 | 5,987,840 | 5,673,806 | 5,093,706 | 5,402,015 | 3,09,797 | 2,10,867 |

Except under *bamboos* the total yield under other heads was less than in the previous year. *Departmental agency.*—The increase under *timber* in *South Canara* is the result of cutting boundaries of several reserved forests. In *North Malabar,* it was due to a larger area exploited and in *South Malabar* to greater yield from plantation thinnings; the decrease in the *Nilgiris* was due to a smaller area treated under improvement felling. The increase under *fuel* in *South Canara* was due to a larger number of coupes worked, in the *Nilgiris* to the supply of fuel to the Nilgiri Railway and in *Tinnevelly* to departmental working of one coupe; the decrease in *North Coimbatore* was due to poor outturn from some of the coupes. There was a large increase in the number of bamboos extracted departmentally and by purchasers; in *South Malabar,* it was due to a larger number of bamboos used for floating timber, in the *Nilgiris* to a large demand by basket-makers and in *Kollegal* to large quantity used for construction of plague camps. The variations in the outturn of produce in other districts are not explained.

## (c) AGENCY OF EXPLOITATION.

### (i) *By Departmental Agency.*

34. Apart from the works mentioned in paragraphs 29 and 31 the chief works done departmentally were—*Major produce.—In South Canara*, felling of one timber and four fuel coupes; also creeper cutting and improvement fellings. *In North Malabar*, 22,269 cubic feet of timber were felled in Coupe VIII of Begur and 3,552 cubic feet were floated and carted to Mysore; extraction of 25,000 bamboos and felling 5,840 cubic feet of fuel for supply to Tellicherry. In *South Malabar*, thinning of teak plantations, dragging timber to the river bank and floating to Beypore. 50,789 cubic feet of teak logs, 7,653 cubic feet of saplings and 48 cubic feet miscellaneous logs were floated to Beypore. In the *Nilgiris* improvement fellings in Mudumalai and fellings in the blue-gum plantations. In *Kollegal* and *North Coimbatore*, extraction of sandalwood and felling fuel coupes. In *Central Coimbatore*, five fuel coupes were felled for supply to Coimbatore town and to the Central Jail. In *South Coimbatore*, marking and felling timber in, and transport from, the Tekadi leased forests and Punachi Working Circle, and felling fuel coupes. In *Madura*, eight fuel coupes were felled for supply to the Madura Mills and town. In *Tinnevelly*, felling fuel in one coupe for want of good offers.

*Minor produce.*—About 15 tons of catechu were manufactured in *South Canara*; the revenue realized during the year was at an average rate of Rs. 724 per ton against Rs. 678 in the last year and Rs. 725 the year before. The outturn under minor produce was 221 tons against 434 tons in the previous year; the decrease was mainly due to smaller quantity of hay manufactured in *Central Coimbatore*.

35. *Disposal of produce at the edge of the forests.*—In *South Canara* fuel was sold on a small scale at the edge of two forests. Most of the villages adjoining reserved forests obtain sufficient supply from kumakies and unreserved lands. The difficulty of transport stands in the way of obtaining contractors to purchase standing coupes. In *North Malabar*, there is practically no local demand owing to the existence of extensive private forests. In *South Malabar*, timber in Coupes I and II of Amarampalam was sold to a contractor. In the *Nilgiris*, an unsuccessful attempt was made to get contractors to take over the fuel supply to Ootacamund. The prices offered are reported to be ridiculous and the difficulty will continue so long as contractors can get work in private plantations with no restrictions such as those imposed by the department. In *Kollegal* and *North Coimbatore*, fuel felled departmentally was sold to contractors in coupes. In the former district, depots at the edge of the forests were also opened and in the latter fuel was sold to consumers direct at the edge of three coupes and the demand is reported to have been on the whole good. Fuel was retailed at the edge of coupes in *South Coimbatore*. Most of the coupes in *Central Coimbatore, Madura, Ramnad and Tinnevelly* were sold standing.

### (ii) *By Purchasers.*

36. Wherever purchasers could be found coupes were sold standing. In *South Canara* one timber and six fuel coupes were sold standing and the depot at Mangalore was leased out. In *North Malabar* coupe X of Chedleth was sold standing. In *South Malabar* the area to be cleared in Karimpoya for planting was sold standing at Rs. 78-15-2 per acre. Nine bamboo coupes in *North Coimbatore*, most of the fuel coupes and bamboo coupes in *Central Coimbatore*, twenty-eight fuel coupes and the growth on eleven tank beds in *Madura* and all coupes in *Ramnad* and *Tinnevelly* except one in the latter were sold standing.

### (iii) & (iv) *By Right-holders and under privileges and free grants.*

37. The following table shows the quantity and estimated value of produce removed by right-holders and free-grantees :—

| — | Timber. | | Fuel. | | Bamboos. | | Grass and grazing. | Other minor produce. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| | Cubic feet. | Value. | Cubic feet. | Value. | Number. | Value. | Value | Value. | Value. |
| | | RS. | | RS. | | RS. | RS. | RS. | RS. |
| Right-holders .. .. .. | 63,975 | 25,486 | 2,500 | 28 | .. | .. | 568 | 255 | 26,337 |
| Free-grantees .. .. .. | 20,109 | 3,130 | 2,126 | 147 | 14,726 | 242 | 44 | 408 | 3,971 |
| Total .. | 84,084 | 28,616 | 4,626 | 175 | 14,726 | 242 | 612 | 663 | 30,308 |

The estimated value of produce and grazing enjoyed by right-holders and removed by free-grantees was Rs. 26,337 and Rs. 3,971, respectively, against Rs. 37,809 and 4,636 in the last year. The quantity of fuel removed by Badagas in the *Nilgiris* on payment of an annual fee of one rupee per house cannot be stated; it is estimated at eight lakhs of head loads per annum. Free grants amounting to Rs. 465 and Rs. 300 were made respectively to religious institutions and works of public utility in *South Canara*.

## CHAPTER III.—FINANCIAL RESULTS.

38. The income and expenditure of the year compared with those of last year and the average of the five preceding years were as follow :—

| — | 1910-1911. | 1909-1910. | Average of preceding five years. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Revenue .. .. .. .. | 100,1,719 | 11,41,598 | 9,76,129 |
| Expenditure— | | | |
| A.—Conservancy and Works including "Refunds." | 5,47,356 | 6,30,631 | 5,42,225 |
| B.—Establishments .. .. | 4,35,134 | 3,98,620 | 3,28,141 |
| Total Expenditure .. | 9,82,490 | 10,29,251 | 8,70,366 |
| Surplus .. | 19,229 | 1,12,347 | 1,05,763 |

Compared with last year, the revenue and expenditure show a decrease of Rs. 139,879 and Rs. 46,761 respectively. 62·8 per cent. of the whole revenue was derived from major produce, 26·6 per cent. from minor produce and 10·6 per cent. from miscellaneous sources. Of the expenditure 31·9 per cent. was devoted to the upkeep and improvement of the forests, 40·6 per cent. to exploitation and 27·5 per cent. to miscellaneous items. The proportion of net to gross revenue fell from 9·8 to 1·9 per cent. The amount of revenue outstanding at the close of the year was Rs. 88,385, of which Rs. 11,847 fell due within the year. The estimated value of timber and other produce at the sale depots at the close of the year was Rs. 2,60,183 against Rs. 2,52,156 at the commencement of the year showing a difference of Rs. 8,027 in favour of the year under report.

The chief variations between the actuals of the year and those of the previous year are explained below :—

RECEIPTS.

(i) *By Departmental Agency.*

*Timber*—68,141. Due chiefly in *South Malabar* partly to lower prices realized for teak logs and partly to non-sale of teak saplings and the stock of timber owing to the depressed state of the timber market at Calicut, and in the *Nilgiris* to sale of only a small quantity of timber obtained from improvement fellings.

*Sandalwood*—7,065. Due partly to stock having been sold in the previous year, and partly to extraction of smaller quantity of sandalwood in *Kollegal.*

*Minor produce*—4,723. Due chiefly to smaller quantity of catechu manufactured in *South Canara* and to non-sale of sambur and deer horns in *Kollegal* for want of reasonable offers.

(ii) *By Purchasers.*

*Timber*—19,780. Due mainly in *North Malabar* to non-sale of timber coupes in Begur owing to low offers, and in *Madura* to lower prices realized for timber.

*Fuel* + 5,859. Due chiefly to better prices realised by sale of coupes and tank bed areas in *South Canara* and *Madura* respectively and to an increase in the number of coupes sold in *Central Coimbatore.*

*Bamboos*—5,167. The stoppage of issue of permits for removal of bamboos from two coupes in *South Coimbatore* and sale of a smaller area in *Central Coimbatore* account for the decrease.

*Grazing*—47,044. Due principally to change of grazing season in *North Malabar*, the four divisions of *Coimbatore*, *Ramnad* and *Tinnevelly*.

*Minor produce*—Rs. 11,818. Due chiefly to stoppage of leasing manure-leaf-yielding areas in *Madura*.

(iii) *Miscellaneous (including confiscated drift and waifwood).*

*Revenue* + Rs. 15,763. Due mainly to the collection of arrear and current rents from the lessees of forest lands on the Anamalais and to increased revenue under compounding fees chiefly in *Madura*.

EXPENDITURE.

*A.—Conservancy and Works.*

The expenditure fell short of the previous year by Rs. 83,275. It was abnormal last year due to the acquisition of forest in the Attapadi valley.

*B.—Establishment.*

The increase of Rs. 36,514 was due chiefly to (*a*) promotion of the Conservator, (*b*) increments to imperial officers according to the time-scale of pay, (*c*) posting of separate officers to *South Malabar* and *Kollegal* and of a Deputy Conservator to *Central Coimbatore* throughout the year, (*d*) the appointment of a Special Deputy Collector with establishment in *North Coimbatore* for verification of forest boundaries, (*e*) the cost of additional Deputy Rangers and Foresters for the whole year, (*f*) the formation of *Rámnád* division, (*g*) annual increments to the clerical staff and (*h*) increased touring of officers.

## CHAPTER IV.—ADMINISTRATION.

39. Mr. F. A. Lodge was in charge of the circle throughout the year.

*District charges.*—*Rámnád* district was constituted and a separate officer was placed in charge from 1st January 1911. The *Karúr* taluk was transferred from *Coimbatore* to *Trichinopoly*.

*Range charges.*—The difficulty of keeping the existing ranges properly manned continued to exist. Failure to carry out works was due to want of establishment. Many Rangers were absent on sick leave and, as there is no reserve to replace them, raw hands had to be put in charge of ranges. Work was also much disorganised by the census for which the services of a large number of subordinates were requisitioned.

*Establishment.*—The following additional establishment was sanctioned :—One Ranger and one Forester for the Attapadi valley and one Ranger, three Foresters and four guards for working the leased forests in the *Nilgiris*. The protective establishment in *South Canara* was strengthened by the addition of fifteen guards. The clerical establishment of the Forest Range offices was reorganised and 53 permanent and 14 temporary clerks were sanctioned for the circle. The office establishment for the *Central Coimbatore* Forest Division was strengthened and the pay of the clerks raised.

40. *Work of superior officers.*—The following extracts are given of the remarks made by Collectors :—

*South Canara—By Mr. Graham.*—"Mr. Barry has been active in inspection "and has devoted much study to local peculiarities. M.R.Ry. M. Panchapakesa "Aiyar is careful and painstaking." *Malabar—By Mr. Innes.*—"Mr. Foulkes was "on leave for part of the time during which I have been Collector and his work has "also been impaired by bad health. Mr. Wimbush is an excellent Forest Officer. "He is fortunate in having an interesting division in which there is not much clerical "work and he utilizes to the full the opportunities he has of going about his "forests and supervising all the works that are in progress." *Coimbatore—By Mr. Hemmingway.*—"Mr. Richmond has been in charge of the division throughout the "year, except from 19th September to 18th October 1910 (period spent on privilege "leave) when Mr. C. C. Wilson was in charge of the division. I have a very high "opinion of both these officers. Mr. Littlewood as far as I can judge has worked "efficiently and hard. I am really not in a position to give an opinion on the quality "of Mr. Fischer's work. He was only with me for a short time." *Madura—By Mr. Huggins.*—"The work of the year was generally satisfactory and reflected credit on

"the officers in charge of the department." Mr. Bryant was in charge of the district except for three months when he was on privilege leave. Mr. Myers was in charge during Mr. Bryant's absence. *Ramnad—By Mr. Bryant.*—"Mr. Myers' office was "found to be in an unsatisfactory condition when the Conservator examined it. He "is also partly to blame for the delay in submitting this Administration report, "otherwise things worked fairly smoothly under him. I am not prepared either to "praise or to condemn his administration." *Tinnevelly—By Mr. Gillman.*—"Mr. "Latham's work was, as usual, thorough and excellent. His supervision of his "subordinates is close and unremitting and no detail of the administration escapes "him." *The Nilgiris—By Mr. Rice.*—"Mr. Cox, a thoroughly capable and zealous "officer of whom I have the highest opinion. It is a pleasure to work with him. "Mr. Gaudoin, a conscientious officer but lacking in experience of the hills, will "improve. I have no fault to find with him."

Mr. Lodge, the permanent Conservator, has noted that all superior officers have worked well and with zeal.

41. *Executive Establishment.*—The work of the Rangers with some exceptions is reported to be generally satisfactory, the following being specially mentioned by their respective District Forest Officers for good work. Ranger S. Kuppusamy Chetty was promoted as Extra Assistant Conservator for good work. Rangers Lazrado, P. Venkatramanan, R. Gurusamy Aiyar, Nazareth and Shunmugakumara Pillai and acting Rangers Myers, C. Narayanan, and A. P. Srinivasa Aiyangar. Two Rangers retired and one resigned; one Ranger was reduced, one acting Ranger reverted, the probation of one was terminated and one was dismissed. One acting Ranger was prosecuted for cheating a Permit Issuing Officer and was acquitted, the charge not having been proved. His deputation to the Forest College was cancelled and he was under suspension at the close of the year, pending disposal of several other charges. Of the Deputy Rangers, only three receive special mention; one resigned and one was suspended.

42. *Protective Establishment.*—The conduct of the establishment in *South Malabar* is stated to be good, and that of Foresters in the *Nilgiris* and *North Coimbatore* fairly satisfactory. In other districts, it continued to be unsatisfactory and much improvement cannot be expected until the controlling establishment is strengthened, area of beats reduced and conditions of pay improved. *Madura* district shows 38 suspensions, 16 dismissals and 81 services dispensed with; these include watchers and other menials on temporary establishment. In the other districts 13 men were suspended, 7 reduced and 51 removed from service. One forester was prosecuted for misappropriation and falsification of accounts and one guard for illicit fellings in *Kollegal*; and in *North Coimbatore*, one guard was prosecuted for rescuing cattle impounded by another guard, one for theft of timber and one for extortion. The case against the forester is pending, the guard charged for extortion was acquitted and the others were convicted. One depot keeper in *North Malabar* and a permit-issuing officer in *North Coimbatore* were prosecuted for misappropriation; the latter was convicted and the case against the former was pending.

43. *Ministerial Establishment.*—The difficulty of recruiting qualified and suitable men for Head Clerks and Accountants continued to exist. Work was fairly satisfactory in all offices except *Kollegal* and *Ramnad*; in the former, the bad condition was due to constant changes and in the latter the clerks were new to forest work. The Head Clerks of *South Malabar*, *the Nilgiris*, *North Coimbatore* and *Tinnevelly* offices are specially mentioned for good work. Two clerks in *Kollegal* and one in *South Coimbatore* resigned, the services of two in *Kollegal* and one in *North Coimbatore* were dispensed with. One range clerk in *Central Coimbatore* was suspended and one in *Tinnevelly* was dismissed. The draftsman of the *Central Coimbatore* office whose prosecution was pending at the close of last year was acquitted.

44. *Health of the establishment and casualties.*—The health of the establishment continued to be fair in *Kollegal*, *North Coimbatore*, *Madura and Tinnevelly* and was bad in *South Canara*, *Malabar*, *South Coimbatore* and in part of the *Nilgiris*. One clerk, one Forester, one tramway fitter, three Guards and two watchers died.

45. *Conference of Forest Officers.*—A conference of Forest officers of the circle was held in September 1910 at Coimbatore at which papers were read on different subjects—fire-protection, regulation of grazing, relative merits of departmental and contract work, inadequacy of establishment, etc.—and resolutions were passed on each subject after discussion. The want of adequate establishment was prominently brought to notice.

46. *Relations between Revenue and Forest Officers.*—Satisfactory relations were maintained throughout the circle. Range Officers attended the jamabandi in *South Canara* and *Madura*; several cases of inaccurate demarcation of reserved forests are reported to have been brought to light in the former district. Such attendance is not required in *Malabar* and was not carried out in other districts. Non-attendance in the four divisions of *Coimbatore* was due to non-communication of the jamabandi officers' programmes. In the *Nilgiris*, the District Forest Officer was in constant communication with the Revenue officers and in *Tinnevelly*, matters concerning forest administration were decided as they arose.

47. *Service books* are reported to have been maintained in all districts and verified up to the close of the financial year. In *South Canara* and in *the Nilgiris*, they were verified up to the close of the forest year and to the close of the calendar year respectively.

48. *Tours of the Forest Member.*—The Hon'ble Mr. W. O. Horne inspected the forests and plantations in *South Malabar* and the Papanasam forests in *Tinnevelly* and toured in the *Nilgiri-Wynaad.*

49. *Conservator's inspection.*—All the District Forest offices with the exception of the two divisions of *Malabar* were inspected and found in good order except the *Kollegal* and *Ramnad* offices. The Conservator inspected also the forests of *South Canara, North and South Coimbatore, Kollegal* and part of the forests of *Madura* and spent 209 days in camp. The provisions of section 248 of the Forest Code in the matter of inspection of forests have been complied with with the exception of *North Malabar.*

50. *Touring of District Forest Officers.*—More than six months were spent by all District Forest Officers except the *Nilgiris, South Malabar, Kollegal, and Ramnad* (newly formed from the beginning of the second half of the year). In *South Malabar and Kollegal* the deficiency was due to the charge being held by the District Forest Officers, *North Malabar and North Coimbatore* respectively for about 2½ months.

51. *Inspection of Range offices*—All Range offices and depots were inspected except a range office in each of *Central* and *South Coimbatore* divisions.

52. *Audit of accounts of District Forest Offices.*—The accounts of all District offices except *Ramnad* (newly constituted) were audited by the auditors of the Accountant-General's office and the results were reported to be satisfactory.

53. *Imperial Forest College.*—Two nominees to the Provincial Service, one probationary Ranger and one Deputy Ranger were deputed for training; four Government and one stipendiary students returned from the College with higher standard certificates, one of the former and the stipendiary student with honours. One Deputy Ranger obtained lower standard certificate and one nominee to the Provincial Service failed.

54. *Vernacular Training School.*—The year's session was held in *South Coimbatore.* The school started with 29 students (4 Foresters and 25 Guards); one Forester joined late by one month owing to illness. One student was removed from the school for absence without leave; one Forester and one Guard were on leave for more than two months and were not eligible for certificates. The course was completed after the close of the year and 27 students were granted certificates, of whom 12 secured first class.

## CHAPTER V.—GENERAL.

55. *Realization of revenue from the usufruct of toddy-yielding trees, etc.*—The subject is not referred to in the report of *North Malabar*; very small amounts were realized in *South Malabar, Kollegal and Madura.* Rs. 3,356 and Rs. 1,740 were collected in *South Canara* and *Tinnevelly*, respectively, against Rs. 3,579 and Rs. 3,442

in the last year. In addition to the topes which have been leased for ten years, the palmyras in one reserved forest in *Central Coimbatore* was leased ; the amount of the year's lease is not reported.

56. *Measures adopted to encourage the growth of manure-leaf-yielding trees and shrubs.*—A committee consisting of the Conservator of Forests, the Director and the Deputy Director of Agriculture, and the District Forest Officer, Madura, met at Madura on the 3rd and 4th March 1911 to investigate the question of the supply by the Forest Department of green leaf manure to ryots in the *Madura* district and on the conclusions of the committee, the Government decided that the functions of the Forest Department must henceforth be mainly limited to the production and supply of seed for green manure plants. The seigniorage for a cart load of green leaf manure in Madura was raised from As. 5 to Rs. 3. Steps were being taken in *Madura* and *North Coimbatore* to sow *Sesbania aculeata.* The action taken in *Madura* and *Tinnevelly* is dealt with in paragraph 21 *supra.* There is no demand for green manure in the *Nilgiris* and the requirement in other districts is met from private forests and unreserved and patta lands.

57. *Supply of forest produce to meet the wants of the people.*—As in previous years, the people in *South Canara* were allowed to remove free, from reserved forests, thatching grass used also at times as fodder ; a portion of the Baindur reserve was as usual thrown open for free removal of grass and leaves. The private forests and unreserved lands supply the wants in *Malabar.* In the *Nilgiris* the issue of permits for small timber, bamboos and grass was continued. The Badagas had their supply of fuel on an annual fee of Re. 1 per house ; the public of Ootacamund and Coonoor were supplied with fuel, partly from depots, but mostly by direct delivery from coupes. In *Kollegal* and *North Coimbatore* small timber, agricultural implements and bamboos were retailed from forest and sale depots. Depots at the edge of the forests and small coupes were opened in the former district for the convenience of neighbouring villagers and the fuel cut deparmentally in the latter district was sold to contractors who were bound to retail at fixed rates. Permits were issued for the removal of brushwood from coupes under working in *North Coimbatore.* Fuel was retailed to the public from depots and through contractors in *Central* and *South Coimbatore* and also at the edge of coupes in the latter district. The local demand in *Madura* and *Tinnevelly* was met by opening out coupes in the neighbourhood ; the Madura Town depot had an effective check on the price of fuel in the local markets where prices rule high. Small timber for agricultural implements was also sold at seigniorage rates from tank-bed areas in *Tinnevelly.*

58. *Grant of cowles for the formation of casuarina plantations in sandy areas.*—Two applications for grant of such lands were received in Tinnevelly and rejected, the lands applied for having been classed as salt poramboke.

## Rules under the Forest Act.

59. (*a*) *Timber Transit rules.*—The rules are reported to have worked satisfactorily in *South Canara,* the four divisions of *Coimbatore*, *Madura* and *Tinnevelly.* The rules in *South Malabar* were in force only so far as the registration of property marks was concerned.

(*b*) *Rules under section 26 of the Forest Act.*—The working of these rules is not mentioned in *South Coimbatore* report. The people in *Madura* are reported not to have taken full advantage of the privileges conferred by these rules. In other districts, the rules worked satisfactorily. The area of unreserved lands under the control of the Forest Department was 489 acres in *North Malabar*, 863 acres in *South Malabar*, 278 acres in *Central Coimbatore* and 423 acres in *Madura.* The extent of tank bed areas in *Ramnad* and *Tinnevelly* is not reported. About 3,000 acres of unreserved lands in *North Coimbatore* have been set apart as village forest to be managed by a panchayat composed of Revenue officers and elected non-officials with the technical advice of the Ranger when sought for.

(*c*) *Other rules.*—The sandalwood transit rules in *Kollegal* and *North Coimbatore* worked satisfactorily ; there was one case of illicit felling in the latter district which was compounded. Revised rules for shooting and fishing were sanctioned for the *Nilgiris* and the adjoining areas. The rules for the management of leased forests in *South Malabar* were amended to regulate grazing in such areas.

60. *Hill tribes.*—The settlers in two settlements in *Kollegal* were evicted for refusing labour. Free leases covering 354 acres were continued in *North Coimbatore* to Sholagars who are reported to supply all the labour required. Fresh lands are now applied for on the grounds that the land is exhausted and this is probably correct. In two cases money was advanced for purchase of cattle, the advance being recoverable from their earnings.

61. *Cultivation in reserved forests.*—In *South Canara*, tenant-at-will leases for 15 acres were continued, and fresh leases for about 6 acres were granted ; the annual rent amounts to Rs. 31-10-11 Paddy fields covering about 120 acres in New Amarampalam reserve, *South Malabar*, were leased for three years on an annual rent of Rs. 305 and the lease of 4 acres in old Amarampalam continued. In the *Nilgiris* report, the renewal of grants made in the previous years are referred to, but the area and rent are not given. The lease of lands for rubber cultivation in *Kollegal* was extended for two years. The areas leased to Sholagars in *North Coimbatore* on payment of rent was about 38 acres. Leases for all estates on the Anamalais in *South Coimbatore* were registered and grant of further land is under consideration.

## LIVE AND DEAD STOCK.

62. (*a*) *Elephants.*—Elephant-capturing operations were extended to the *Nilgiris* during the year. The number of elephants captured in the circle during the year was 21, of which five died and one was allowed to escape ; one of the elephants captured last year died ; one was sold and two were transferred to the Northern Circle leaving 107 at the close of the year. Elephant Theebaw in *North Malabar* killed his mahout. The condition of elephants was good. Mahouts who looked after their elephants well were granted rewards in the shape of grain, money and silver bangles.

(*b*) *Bullocks and buffaloes.*—Twenty bullocks were purchased during the year ; 18 died, 1 was destroyed and 27 were sold, being unfit for work ; the deaths were mainly due to old age. There were 195 bullocks at the close of the year. Out of 34 buffaloes remaining at the beginning of the year, 1 died and 4 were sold ; 25 were purchased during the year thus making a balance of 54. It is proposed to replace bullocks by buffaloes, the latter being found more suitable for forest work.

(*c*) *Special Veterinary Inspector.*—Mr. F. X. Mascarenhas inspected the live-stock in the districts repeatedly and continued to do good work. There were very few operations.

(*d*) *Inventory of valuable stock.*—Stock registers are reported to have been maintained in all districts and verified at inspections.

63. *Rain-gauges.*—The readings recorded during the year are given in Appendix F. The readings made in *South Canara* and *Central Coimbatore* are reported to be unreliable.

## MUSEUM AND PARKS.

64. *The Gass Forest Museum at Coimbatore.*—The museum was as usual open to the public and there were 7,308 visitors against 7,362 in the previous year. Two hundred and thirty-seven exhibits of forest products were contributed by the districts. One thousand and one hundred sheets of botanical specimens collected by Mr. C. E. C. Fischer were received back from the Herbarium, Royal Botanical Gardens, Calcutta after verification and kept in the museum. Rs. 136-14-2 were realised by sale of plants, flowers and other produce in the museum garden. Several seedlings of the gold mohar, rain tree, margosa, Butea frondosa and mahagony have been raised and basketted for planting in the Forest College grounds.

65. *The Bryant Park Reserve at Kodaikánal.*—The improvement of the Park was continued and a glass house was constructed ; a large number of pine seedlings were raised in the nurseries and basketted for planting in the Upper Palni plantations.

66. *Suits.*—The Courtallam waterfall appeal was decided in favour of Government.

COIMBATORE,

*24th September* 1911.

J. S. BATTIE,

*Ag. Conservator of Forests, Southern Circle.*

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## Appendix A.—District areas and Forest reserves (1910–1911).

| District. | (a) Total area excluding feudatory and tributary states. | (b) Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts. | (b) Occupied area. | Particulars of remaining area (columns 3—4). | | | Reserved forests and reserved lands. | | | Percentage of column 10 to column 3. | Percentage of column 10 to column 7. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (b) Unoccupied cultivable, uncultivable and forest areas. | (a) Areas for which returns are not available. | Total of columns 5 and 6. | Reserved forests under Act V of 1882. | Reserved lands. | Total of reserves (columns 8 and 9). | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| *Northern Circle.* | ACS. | ACS. | ACS. | ACS. | ACS | ACS. | ACS. | ACS. | ACS. | | |
| Ganjám .. .. .. .. .. .. | 5,356,224 | 1,609,462 | 415,082 | 708,325 | 486,055 | 1,194,380 | 383,067 | 72 | 383,139 | 23·80 | 32·08 |
| Vizagapatam .. .. .. .. .. .. | 11,022,478 | 850,094 | 199,886 | 650,208 | .. | 650,208 | 193,487 | 6,515 | 200,002 | 23·53 | 30·76 |
| Gódávari .. .. .. .. .. .. | 4,099,954 | 2,186,185 | 599,663 | 1,573,690 | 12,832 | 1,586,522 | 534,438 | 393,555 | 927,993 | 42·45 | 58·49 |
| Kistna .. .. .. .. .. .. | 3,780,254 | 1,567,904 | 1,003,498 | 551,520 | 12,886 | 564,406 | 178,231 | 12,229 | 190,460 | 12·15 | 33·75 |
| Kurnool .. .. .. .. .. .. | 4,808,960 | 4,100,605 | 1,314,375 | 2,786,230 | .. | 2,786,230 | 1,686,652 | 6 | 1,686,658 | 41·13 | 60·54 |
| Bellary .. .. .. .. .. .. | 3,939,205 | 3,196,340 | 2,026,607 | 1,160,856 | 8,877 | 1,169,733 | 399,447 | 41,867 | 441,314 | 13·81 | 37·73 |
| Anantapur .. .. .. .. .. .. | 4,267,320 | 3,704,994 | 1,519,032 | 2,185,962 | .. | 2,185,962 | 481,608 | 49,074 | 530,682 | 4·32 | 24·28 |
| Total .. | 37,274,395 | 17,215,584 | 7,078,143 | 9,616,791 | 520,650 | 10,137,441 | 3,856,930 | 503,318 | 4,360,248 | 25·33 | 43·61 |
| *Central Circle.* * | | | | | | | | | | | |
| Cuddapah .. .. .. .. .. .. | 5,582,739 | 4,871,596 | 1,449,215 | 3,422,381 | .. | 3,422,381 | 1,163,469 | 620 | 1,164,089 | .. | .. |
| Nellore .. .. .. .. .. .. | 5,097,300 | 2,317,494 | 946,810 | 1,370,684 | .. | 1,370,684 | 471,677 | .. | 471,677 | 20·35 | 34·41 |
| Chingleput .. .. .. .. .. .. | 1,971,041 | 1,305,741 | 667,321 | 638,420 | .. | 638,420 | 136,575 | 64 | 136,639 | 10·46 | 21·40 |
| North Arcot .. .. .. .. .. .. } | 4,721,846 | 2,509,479 | 915,694 | 1,593,785 | .. | 1,593,785 | 796,017 | 413 | 796,430 | .. | .. |
| Chittoor .. .. .. .. .. .. } | | | | | | | 536,561 | 856 | 537,417 | .. | .. |
| South Arcot .. .. .. .. .. .. | 3,339,520 | 2,991,972 | 1,721,950 | 1,270,022 | .. | 1,270,022 | 221,167 | .. | 221,167 | .. | .. |
| Salem .. .. .. .. .. .. | 4,818,982 | 3,576,091 | 1,505,337 | 2,070,754 | .. | 2,070,754 | 878,929 | 33,090 | 912,019 | .. | .. |
| Trichinopoly .. .. .. .. .. .. | 2,330,509 | 1,713,442 | 1,135,408 | 578,034 | .. | 578,034 } | 227,714 | 2,504 | 230,218 | 6·97 | 22·73 |
| Tanjore .. .. .. .. .. .. | 2,375,387 | 1,584,828 | 1,150,250 | 434,578 | .. | 434,578 } | | | | | |
| Guntúr .. .. .. .. .. .. | 3,670,374 | 2,878,904 | 1,810,657 | 1,068,247 | .. | 1,068,247 | 521,239 | 8 | 521,247 | 18·10 | 48·79 |
| Total .. | 33,907,698 | 23,749,547 | 11,302,642 | 12,446,905 | .. | 12,446,905 | 4,953,348 | 37,555 | 4,990,903 | 21·01 | 40·09 |
| *Southern Circle.* | | | | | | | | | | | |
| South Canara .. .. .. .. .. .. | 2,573,389 | 2,573,389 | 762,555 | 1,810,834 | 2,054 | 1,812,888 | 508,677 | 70,310 | 578,987 | 22·50 | 31·94 |
| Malabar .. .. .. .. .. .. | 3,708,321 | 3,690,019 | 1,353,395 | 2,336,624 | .. | 2,336,624 | 293,414 | 66,048 | 359,462 | 9·74 | 15·38 |
| The Nilgiris (c) .. .. .. .. .. | 646,061 | 653,799 | 193,864 | 459,935 | .. | 459,935 | 291,606 | 52,548 | 344,154 | 52·64 | 74·83 |
| Coimbatore .. .. .. .. .. .. | 4,989,867 | 4,557,986 | 2,512,163 | 2,045,823 | .. | 2,045,823 | 1,320,092 | 165,458 | 1,485,550 | 32·59 | 72·61 |
| Madura .. .. .. .. .. .. | 3,146,485 | 2,075,835 | 1,154,956 | 920,879 | .. | 920,879 | 426,128 | 1 | 426,129 | 20·53 | 46·27 |
| Rámnád .. .. .. .. .. .. | 3,159,226 | 447,166 | 264,987 | 182,179 | .. | 182,179 | 46,484 | 274 | 46,758 | 10·46 | 25·67 |
| Tinnevelly .. .. .. .. .. .. | 2,744,237 | 1,796,590 | 1,206,568 | 590,022 | .. | 590,022 | 226,819 | 798 | 227,617 | 12·67 | 38·58 |
| Total .. | 20,967,586 | 15,794,784 | 7,448,488 | 8,346,296 | 2,054 | 8,348,350 | 3,113,220 | 355,437 | 3,468,657 | 21·97 | 41·55 |
| Grand Total .. | 92,149,679 | 56,759,915 | 25,829,273 | 30,409,992 | 522,704 | 30,932,696 | 11,923,498 | 896,310 | 12,819,808 | 22·59 | 41·44 |

(a) Area by professional survey. (b) Area according to village papers. (c) Revised areas furnished by the Collector.

* As figures for columns 2 to 7 are not yet available in the Settlement Department of the Board's office after territorial changes made, those given in the last Administration Report have been adopted and the percentages in columns 11 and 12 to the districts affected have therefore been omitted.

## APPENDIX B.—Particulars of balance of lands under Settlement.

| District. | Forest settlement. Total number and area of blocks under settlement up to the end of 1910-1911. Number. | Area. | Total number and area of blocks constituted finally as reserved forests up to the end of 1910-1911. Number. | Area. | Balance at the end of 1910-1911. Number. | Area. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| *Northern Circle.* | | SQ. MLS. | | SQ. MLS. | | SQ. MLS. |
| Ganjám .. .. .. .. .. | 57 | 599 | 56 | 599 | 1 | (*b*) .. |
| Vizagapatam .. .. .. .. | 55 | (*c*) 312 | 54 | 302 | 1 | 10 |
| Godavari, Upper .. .. .. | 29 | (*c*) 428 | 29 | 428 | .. | .. |
| Do. Lower .. .. .. | 44 | 482 | 43 | 407 | 1 | 75 |
| Kistna .. .. .. .. .. | 75 | (*c*) 278 | 75 | 278 | .. | .. |
| Kurnool, East .. .. .. .. | 27 | 1,003 | 27 | 1,003 | .. | .. |
| Do. South .. .. .. | 33 | 774 | 33 | 774 | .. | .. |
| Do. West .. .. .. | 43 | 858 | 42 | 858 | 1 | (*b*) .. |
| Bellary .. .. .. .. .. | 169 | (*a*) 627 | 167 | 624 | 2 | 3 |
| Anantapur .. .. .. .. | 139 | (*c*) 764 | 132 | 753 | 7 | 11 |
| Total .. | 671 | 6,125 | 658 | 6,026 | 13 | 99 |
| *Central Circle.* | | | | | | |
| Cuddapah, North .. .. .. | 79 | (*d*) 734 | 79 | 734 | .. | .. |
| Do. East .. .. .. | 67 | 1,083 | 67 | 1,083 | .. | .. |
| Nellore .. .. .. .. .. | 226 | 737 | 226 | 737 | .. | .. |
| Chingleput .. .. .. .. | 198 | 213 | 198 | 213 | (*g*) .. | 0·1 |
| Arcot, North .. .. .. .. | 178 | (*d*) 1,244 | 176 | 1,244 | 2 | (*b*) |
| Chittoor .. .. .. .. .. | 126 | 840 | 123 | 839 | 3 | 1 |
| Arcot, South .. .. .. .. | 129 | (*e*) 346 | 129 | 346 | .. | .. |
| Salem, North .. .. .. | 77 | 838 | 75 | 792 | 2 | 46 |
| Do. South .. .. .. .. | 86 | (*e*) 587 | 84 | 581 | 2 | 6 |
| Trichinopoly .. .. .. .. | 155 | 360 | 152 | 356 | 3 | 4 |
| Guntúr .. .. .. .. .. | 180 | 814 | 179 | 814 | 1 | (*b*) |
| Total .. | 1,501 | (*f*) 7,796 | 1,488 | 7,739 | 13 | 57 |
| *Southern Circle.* | | | | | | |
| South Canara .. .. .. .. | 176 | 797 | 175 | 795 | 1 | 2 |
| Malabar, North .. .. .. | 29 | 262 | 28 | 261 | 1 | 1 |
| Do. South .. .. | 6 | 143 | 5 | 108 | 1 | 35 |
| The Nilgiris .. .. .. .. | 436 | 478 | 435 | 478 | 1 | (*b*) |
| Kollegal .. .. .. .. | 13 | 705 | 10 | 447 | 3 | 258 |
| Coimbatore, North .. .. .. | 20 | 921 | 17 | 921 | 3 | (*b*) |
| Do. Central .. .. .. | 45 | 355 | 41 | 307 | 4 | 48 |
| Do. South .. .. .. | (*h*) 15 | 454 | (*h*) 15 | 454 | .. | .. |
| Madura .. .. .. .. .. | 151 | 666 | 150 | 666 | 1 | (*b*) |
| Rámnád .. .. .. .. .. | 23 | 73 | 12 | 73 | 11 | (*b*) |
| Tinnevelly .. .. .. .. .. | (*i*) 79 | 355 | (*i*) 63 | 354 | 16 | 1 |
| Total .. | 993 | 5,209 | 951 | 4,864 | 42 | 345 |
| Grand Total .. | 3,165 | 19,130 | 3,097 | 18,629 | 68 | 501 |

(*a*) Excludes 63 square miles, Sandur leased forests.

(*b*) Below one square mile.

(*c*) Excludes Reserved lands under section 26 (Vizagapatam, less than one square mile, Upper Gódávari, 540 square miles, Kistna, 19 square miles and Anantapur, 66 square miles).

(*d*) Difference due to disafforestation of areas.

(*e*) Due to correct computation of areas.

(*f*) Excludes two square miles of reserved lands notified under section 26.

(*g*) Enclosures within reserves.

(*h*) Two blocks transferred to Trichinopoly district deducted.

(*i*) Two blocks which are extensions deducted.

## Particulars of balance of lands under Settlement—*cont.*

| District. | Settled and reported on. | | | | | | | | Settled but not reported on. | | Settlement proceeding. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Notified under section 16 during 1910–1911, but reservation effected only after 30th June 1911. | | With Board or Government awaiting publication of notification under section 16. | | Returned by the Board for revision and remaining either with the Collector, District Forest-officer or Forest Settlement-officer. | | Total settled and reported on. | | | | | |
| | Number. | Area. | Number | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. |
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| *Northern Circle.* | | SQ. MLS. | | SQ. MLS. | | SQ. MLS. | | SQ.MLS. | | SQ.MLS. | | SQ. MLS. |
| Ganjám .. .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | .. | .. |
| Vizagapatam .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 10 |
| Gódávari, Upper .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. Lower. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 75 | .. | .. |
| Kistna .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Kurnool, East .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. South .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. West .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) |
| Bellary .. .. | 1 | 2 | .. | .. | .. | .. | 1 | 2 | .. | .. | 1 | 1 |
| Anantapur .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | 6 | 11 |
| Total .. | 1 | 2 | .. | .. | .. | .. | 1 | 2 | 3 | 75 | 9 | 22 |
| *Central Circle.* | | | | | | | | | | | | |
| Cuddapah, North .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. East .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Nellore .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Chingleput .. | .. | .. | .. | (a) | .. | .. | .. | (a) | . | .. | .. | .. |
| Arcot, North .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | (a) |
| Chittoor .. .. | .. | .. | 2 | 1 | .. | .. | 2 | 1 | .. | .. | 1 | (a) |
| Arcot, South .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Salem, North .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 46 | 1 | (a) |
| Do. South .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 6 |
| Trichinopoly .. | .. | .. | .. | .. | 1 | 1 | 1 | 1 | .. | .. | 2 | 3 |
| Guntúr .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) |
| Total .. | .. | .. | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 46 | 9 | 9 |
| *Southern Circle.* | | | | | | | | | | | | |
| South Canara .. | .. | .. | .. | .. | 1 | 2 | 1 | 2 | .. | .. | .. | .. |
| Malabar, North .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | .. |
| Do. South .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 35 |
| The Nilgiris . | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | .. | .. |
| Kollegal .. .. | .. | .. | .. | .. | 1 | 246 | 1 | 246 | 1 | (a) | 1 | 12 |
| Coimbatore, North.* | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | 2 | (a) |
| Do. Central.* | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 47 | 2 | (a) |
| Madura * .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) } 1* |
| Rámnád * .. .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 | (a) | 5 | (a) |
| Tinnevelly * .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 | 1 | 10 | (a) |
| Total .. | 1 | 1 | .. | .. | 2 | 248 | 3 | 249 | 17 | 48 | 22 | 48 |
| Grand Total .. | 2 | 3 | 2 | 1 | 3 | 249 | 7 | 253 | 21 | 169 | 40 | 79 |

(*a*) Below one square mile.
* The area of the blocks shown in column 18 against these districts is taken as one square mile.

## Particulars of balance of lands under Settlement—*cont.*

| District. | Of lands notified under section 4. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1894-95. | | 1895-96. | | 1896-97. | | 1897-98. | | 1898-99. | | 1899-00. | | 1900-01. | | 1901-02. | | 1902-03. | | 1903-04. | | 1904-05. | | 1905-06. | | 1906-07. | | 1907-08. | | 1908-09. | | 1909-10. | | 1910-11 | |
| | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. | Number. | Area. |
| | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
| *Northern Circle.* | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. | | S. M. |
| Ganjám .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | .. | .. |
| Vizagapatam .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 10 |
| Gódávari, Upper | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. Lower | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 75 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Kistna .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Kurnool, East .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. South .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. West .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. ‡ | 1 | (a) |
| Bellary .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 2 | 1 | 1 | .. | .. | .. | .. |
| Anantapur .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | 3 | 10 | 3 | 1 |
| Total | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 75 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 2 | 2 | 1 | 4 | 10 | 5 | 11 |
| *Central Circle.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cuddapah, North. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. East .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Nellore .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Chingleput .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | (a) | .. | (a) |
| North Arcot . | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | 1 | (a) |
| Chittoor .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) |
| South Arcot .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Salem, North .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 46 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) |
| Do. South .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 6 | .. | .. |
| Trichinopoly .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 3 | .. | .. |
| Guntúr .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | .. | .. |
| Total .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 46 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 | 9 | 3 | (a) |
| *Southern Circle.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| South Canara .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 2 | .. | .. | .. | .. | .. | .. | .. | .. |
| Malabar, North | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | .. |
| Do. South | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. ‡ | .. | .. | .. | .. | 1 | 35 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| The Nilgiris .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) |
| Kollegal .. | 1 | 246 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 12 | .. | .. | 1 | (a) | .. | .. |
| Coimbatore, North. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) | .. | .. | .. | .. | 2 | (a) | .. | .. |
| Do. Central. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 47 | .. | .. | .. | .. | 2 | (a) |
| Madura .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | (a) |
| Rámnád .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 5 | (a) | 6 | (a) |
| Tinnevelly .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 | (a) | 3 | (a) | 10 | 1 |
| Total .. | 1 | 246 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 35 | .. | .. | .. | .. | 2 | 2 | 3 | 59 | 3 | (a) | 12 | 1 | 20 | 1 |
| Grand Total .. | 1 | 246 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 46 | 1 | 75 | .. | .. | 1 | 35 | .. | .. | .. | .. | 2 | 2 | 4 | 61 | 5 | 1 | 22 | 20 | 28 | 12 |

(a) Below one square mile.

APPENDIX C.—Statement showing the area of reserved forests for which final maps have been prepared.

| District. | Area of reserved forests. | Area of reserved forests for which final maps have been prepared. | Remarks. |
|---|---|---|---|
| *Northern Circle.* | SQ. MLS. | SQ. MLS. | |
| Ganjám .. .. .. .. | * 599 | 599 | * *Vide* remark at foot of form 65. |
| Vizagapatam .. .. .. | 302 | 298 | |
| Gódávari, Upper .. .. | 428 | 428 | |
| Do. Lower .. .. | 407 | 407 | |
| Kistna .. .. .. .. | 278 | 137 | |
| Kurnool, East .. .. .. | 1,003 | 999 | |
| Do. South .. .. | 774 | 637 | |
| Do. West .. .. | 858 | 598 | |
| Bellary .. .. .. .. | 624 | 563 | |
| Anantapur .. .. .. | 753 | 567 | |
| Total .. | 6,026 | 5,233 | |
| *Central Circle.* | | | |
| Cuddapah, North .. .. | 734 | 734 | |
| Do. East .. .. | 1,083 | 1,083 | |
| Nellore .. .. .. | 737 | 735 | |
| Chingleput .. .. .. | 213 | 213 | |
| Arcot, North .. .. .. | 1,244 | 1,229 | |
| Chittoor .. .. .. .. | 839 | 839 | |
| Arcot, South .. .. .. | 346 | 346 | |
| Salem, North .. .. .. | 792 | 792<br>† 46 | † Area of reserved lands pending notification under section 16. |
| Do. South .. .. .. | 581 | 581 | |
| Trichinopoly .. .. .. | 356 | ‡ 347 | ‡ Final maps for 8 square miles have yet to be prepared. |
| Guntúr .. .. .. .. | 814 | § 191 | § No areas were mapped during the year. The difference between this and last year's return is due to settlement maps having been treated as final maps previously. |
| Total .. | 7,739 | 7,136 | |
| *Southern Circle.* | | | |
| South Canara .. .. .. | 795 | 678 | |
| Malabar, North .. .. | 261 | .. | |
| Do. South .. .. | 108 | .. | |
| The Nilgiris .. .. .. | 478 | 86 | |
| Kollegal .. .. .. | 447 | 446 | |
| Coimbatore, North .. .. | 921 | 919 | |
| Do. Central .. .. | 307 | 252 | |
| Do. South .. | 454 | 454 | |
| Madura .. .. .. .. | 666 | 608 | |
| Rámnád .. .. .. .. | 73 | 73 | |
| Tinnevelly .. .. .. | 354 | 347 | |
| Total .. | 4,864 | 3,863 | |
| Grand Total .. | 18,629 | 16,232 | |

## APPENDIX—D.

| Division. | A. Fires caused by accident or through carelessness when burning fire lines. | | B. Fires entering the forests by crossing exterior fire traces. | | C. Fires beginning inside the reserves or fire-traced areas. Owing to carelessness or accident. By workmen employed in the forests, by purchasers of produce and by hay cutters. | | By villagers, travellers, etc., passing through the forests. | | By railway engines. | | By lightning or by fire-balloons. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Northern Circle.* | | | | | | | | | | | | |
| Ganjám .. .. .. | 6 | 84 | 9 | 16,450 | .. | .. | 10 | 441 | .. | .. | .. | .. |
| Vizagapatam .. .. | 1 | 3 | .. | .. | 1 | 10 | 6 | 31 | .. | .. | .. | .. |
| Gódávari, Upper .. | 2 | 108 | 2 | 1,293 | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. Lower .. | .. | .. | 7 | 835 | 1 | .. | 12 | 289 | .. | .. | .. | .. |
| Kistna .. .. .. | 1 | 2 | .. | .. | .. | .. | 5 | 185 | .. | .. | .. | .. |
| Kurnool, East .. .. | .. | .. | 4 | 1,740 | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. South .. .. | 5 | 608 | .. | .. | .. | .. | 8 | 7,024 | 1 | 96 | 1 | 314 |
| Do. West .. .. | 3 | 630 | 2 | 74 | .. | 26,888 | 34 | 65,103 | 2 | 1,005 | .. | .. |
| Bellary .. .. .. | 1 | 10 | .. | .. | .. | .. | .. | .. | 2 | 455 | .. | .. |
| Anantapur .. .. | 2 | 7 | 1 | 278 | 2 | .. | 3 | 115 | .. | .. | .. | .. |
| Total .. | 21 | 1,452 | 25 | 20,670 | 4 | 26,898 | 78 | 73,188 | 5 | 1,556 | 1 | 314 |
| Total for 1909-1910 .. | 38 | 20,564 | 93 | 157,823 | 13 | 673 | 115 | 27,760 | 1 | 246 | .. | .. |
| *Central Circle.* | | | | | | | | | | | | |
| Cuddapah, North .. | 1 | 5 | 10 | 3,222 | 3 | 921 | .. | .. | .. | .. | .. | .. |
| Do. East .. | 2 | 200 | 2 | 560 | .. | .. | 4 | 856 | .. | .. | .. | .. |
| Nellore .. .. .. | .. | .. | 2 | 530 | .. | .. | .. | .. | .. | .. | .. | .. |
| Chingleput .. .. | .. | .. | .. | .. | .. | .. | 1 | * .. | .. | .. | .. | .. |
| Arcot, North .. .. | 2 | 40 | 6 | 611 | .. | .. | 9 | 369 | 1 | 75 | .. | .. |
| Chittoor .. .. .. | .. | .. | 7 | 257 | .. | .. | 9 | 223 | 2 | 2 | 4 | 17 |
| Arcot, South .. .. | .. | .. | .. | .. | .. | .. | 1 | 18 | .. | .. | .. | .. |
| Salem, North .. .. | 3 | 650 | .. | .. | .. | .. | 3 | 210 | .. | .. | .. | .. |
| Do. South .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Trichinopoly .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Guntúr .. .. .. | .. | .. | 1 | 30 | .. | .. | 18 | 168 | .. | .. | .. | .. |
| Total .. | 8 | 895 | 28 | 5,210 | 3 | 921 | 45 | 1,844 | 3 | 77 | 4 | 17 |
| Total for 1909-1910 † .. | 8 | 491 | 28 | 17,193 | 6 | 168 | 41 | 3,895 | 2 | 41 | 1 | 30 |
| *Southern Circle.* | | | | | | | | | | | | |
| Canara, South .. .. | 10 | 35 | 73 | 2,275 | 4 | 24 | 143 | 5,206 | .. | .. | .. | .. |
| Malabar, North .. .. | 2 | 20 | 3 | 431 | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. South ‡ .. | 2 | 338 | .. | .. | 2 | 301 | 1 | Less than 1 acre. | .. | .. | .. | .. |
| The Nilgiris ‡ .. .. | 1 | 15 | 2 | 14 | .. | .. | 6 | 426 | .. | .. | .. | .. |
| Kollegal .. .. .. | 1 | 15 | 7 | 2,972 | .. | .. | 4 | 5,865 | .. | .. | .. | .. |
| Coimbatore, North .. | 2 | 55 | 1 | 500 | .. | .. | 4 | 387 | .. | .. | .. | .. |
| Do. Central .. | .. | .. | 4 | 260 | 3 | 271 | 4 | 16 | .. | .. | .. | .. |
| Do. South .. | .. | .. | 1 | 10 | .. | .. | 1 | 60 | 2 | 6 | .. | .. |
| Madura .. .. .. | 1 | 2 | 9 | 794 | .. | .. | 1 | 80 | .. | .. | 1 | 2 |
| Rámnád .. .. .. | 1 | 70 | 5 | 939 | .. | .. | 3 | 110 | .. | .. | .. | .. |
| Tinnevelly .. .. | 2 | 2,502 | 3 | 5 | 1 | 8 | 6 | 900 | .. | .. | .. | .. |
| Total .. | 22 | 3,052 | 108 | 8,200 | 10 | 604 | 173 | 13,050 | 2 | 6 | 1 | 2 |
| Total for 1909-1910 .. | 41 | 5,994 | 46 | 15,269 | 11 | 570 | 157 | 10,627 | .. | .. | 8 | 1,723 |
| Grand Total for 1910-1911 | 51 | 5,399 | 161 | 34,080 | 17 | 28,423 | 296 | 88,082 | 10 | 1,639 | 6 | 333 |
| Grand Total for 1909-1910 | 87 | 27,049 | 167 | 190,285 | 30 | 1,411 | 313 | 42,282 | 3 | 287 | 9 | 1,753 |

* Less than one acre. † Includes figures for Kadiri range transferred to Northern Circle.
‡ Includes the number of fires in the areas not under special protection.

## Appendix D—*cont.*

| Division. | C. Fires beginning inside the reserves or fire-traced areas—*cont.* By intentional firing. In order to obtain new grass. Number of fires. | Area burnt in acres. | In order to turn out game or to reduce cover. Number of fires. | Area burnt in acres. | Maliciously fired. Number of fires. | Area burnt in acres. | Total. Number of fires. | Area burnt in acres. | Causes unknown. Number of fires. | Area burnt in acres. | Total of A, B and C and causes unknown. Number of fires. | Area burnt in acres. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| *Northern Circle.* | | | | | | | | | | | | |
| Ganjám | .. | .. | .. | .. | 11 | 767 | 21 | 1,208 | 59 | 5,467 | 95 | 23,209 |
| Vizagapatam | .. | .. | .. | .. | .. | .. | 7 | 41 | 2 | 7,300 | 10 | 7,344 |
| Gódávari, Upper | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 50 | 5 | 1,451 |
| Do. Lower | .. | .. | 1 | 500 | .. | .. | 14 | 789 | 12 | 128 | 33 | 1,752 |
| Kistna | .. | .. | .. | .. | .. | .. | 5 | 185 | 7 | 432 | 13 | 619 |
| Kurnool, East | .. | .. | .. | .. | .. | .. | .. | .. | 4 | 305 | 8 | 2,045 |
| Do. South | 1 | 340 | .. | .. | 3 | 834 | 14 | 8,608 | 5 | 665 | 24 | 9,881 |
| Do. West | 10 | 374 | 3 | 2,472 | .. | .. | 49 | 95,842 | 37 | 61,574 | 91 | 158,120 |
| Bellary | .. | .. | .. | .. | 2 | 182 | 4 | 637 | 8 | 12,031 | 13 | 12,678 |
| Anantapur | 2 | 53 | .. | .. | 8 | 2,333 | 15 | 2,501 | 154 | 46,924 | 172 | 49,710 |
| Total | 13 | 767 | 4 | 2,972 | 24 | 4,116 | 129 | 109,811 | 289 | 134,876 | 464 | 266,809 |
| Total for 1909-1910 | 16 | 15,389 | 23 | 87,554 | 22 | 16,066 | 190 | 147,688 | 186 | 293,645 | 507 | 619,720 |
| *Central Circle.* | | | | | | | | | | | | |
| Cuddapah, North | 56 | 11,201 | 3 | 663 | 2 | 80 | 64 | 12,865 | 36 | 11,350 | 111 | 27,442 |
| Do. East | 56 | 34,648 | .. | .. | 5 | 469 | 65 | 35,973 | 2 | 80 | 71 | 36,813 |
| Nellore | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | (*a*) 530 |
| Chingleput | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | .. |
| Arcot, North | 22 | 719 | 3 | 110 | 6 | 718 | 41 | 1,991 | 92 | 4,674 | 141 | 7,316 |
| Chittoor | 66 | 5,270 | 3 | 100 | 8 | 694 | 92 | 6,30[illegible] | 2 | 220 | 101 | 6,783 |
| Arcot, South | .. | .. | .. | .. | .. | .. | 1 | 18 | 1 | 1 | 2 | 19 |
| Salem, North | .. | .. | .. | .. | .. | .. | 3 | 210 | 21 | 4,746 | 27 | 5,606 |
| Do. South | .. | .. | .. | .. | 2 | 59 | 2 | 59 | 46 | 2,202 | 48 | 2,261 |
| Trichinopoly | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 8 | 248 | 9 | (*b*) 249 |
| Guntúr | .. | .. | 1 | 600 | .. | .. | 19 | 768 | .. | .. | 20 | 798 |
| Total | 201 | 51,839 | 10 | 1,473 | 23 | 2,020 | 289 | 58,191 | 208 | 23,521 | 533 | 87,817 |
| Total for 1909-1910 * | 157 | 65,915 | 7 | 12,860 | 21 | 6,395 | 235 | 89,304 | 355 | 51,846 | 626 | 158,834 |
| *Southern Circle.* | | | | | | | | | | | | |
| Canara, South | 16 | 609 | 11 | 1,314 | 70 | 3,954 | 244 | 11,107 | 37 | 767 | 364 | (*c*)14,184 |
| Malabar, North | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 382 | 6 | 833 |
| Do. South | .. | .. | .. | .. | .. | .. | 3 | 301 | .. | .. | 5 | 639 |
| The Nilgiris [illegible] | 8 | 1,610 | .. | .. | 4 | 13,750 | 18 | 15,786 | .. | .. | 21 | 15,815 |
| Kollegal | 11 | 5,680 | .. | .. | 1 | 30 | 16 | 11,575 | 6 | 1,988 | 30 | 16,550 |
| Coimbatore, North | 2 | 320 | .. | .. | 5 | 1,705 | 11 | 2,412 | 19 | 5,270 | 33 | 8,237 |
| Do. Central | .. | .. | .. | .. | .. | .. | 9 | 293 | 11 | 403 | 24 | 956 |
| Do. South | 4 | 130 | 4 | 148 | .. | .. | 10 | 340 | 4 | 1,111 | 15 | 1,461 |
| Madura | 1 | 154 | .. | .. | 1 | 100 | 3 | 334 | 29 | 1,948 | 42 | 3,078 |
| Rámnád | .. | .. | .. | .. | .. | .. | 3 | 110 | 1 | 1,800 | 10 | (*d*)2,919 |
| Tinnevelly | 4 | 753 | 1 | 100 | 8 | 1,333 | 20 | 3,094 | .. | .. | 25 | 5,601 |
| Total | 46 | 9,256 | 16 | 1,562 | 89 | 20,872 | 337 | 45,352 | 108 | 13,669 | 575 | 70,273 |
| Total for 1909-1910 | 54 | 11,917 | 8 | 5,013 | 44 | 22,005 | 282 | 51,855 | 153 | 66,802 | 522 | 139,920 |
| Grand Total for 1910-1911 | 260 | 61,862 | 30 | 6,007 | 136 | 27,008 | 755 | 213,354 | 605 | 172,066 | 1,572 | 424,899 |
| Grand Total for 1909-1910 | 227 | 93,221 | 38 | 105,427 | 87 | 44,466 | 707 | 288,847 | 694 | 412,293 | 1,655 | 918,474 |

* Includes figures for Kadiri range transferred to Northern Circle.
(*a*) Excludes 30 acres in unprotected area. (*b*) Relates to unprotected areas.
(*c*) Includes the number of fires in the areas not under special protection.
(*d* The difference between this and the area in column 5 of Form 72 has not been explained by the Collector.

## APPENDIX E.—Comparative statement of impounded cattle.

| Districts. | From open forests. | | From closed forests. | | | | Total. | | Average for three years ending 1909–1910. |
|---|---|---|---|---|---|---|---|---|---|
| | | | Holding permits for open forests. | Having no permits. | Holding permits for open forests. | Having no permits. | | | |
| | 1909–1910. | 1910–1911. | 1909–1910. | | 1910–1911. | | 1909–1910. | 1910–1911. | |
| *Northern Circle.* | | | | | | | | | |
| Ganjám .. .. | 3,448 | 1,958 | .. | 450 | 1,439 | 564 | 3,898 | 3,961 | 3,091 |
| Vizagapatam .. | 2,555 | 605 | .. | 68 | .. | 2,136 | 2,623 | 2,741 | 2,404 |
| Gódávari, Upper .. | 13 | .. | .. | .. | .. | .. | 13 | .. | 57 |
| Do. Lower .. | 1,154 | 633 | .. | 135 | .. | 600 | 1,289 | 1,233 | 995 |
| Kistna .. .. | 1,591 | 2,461 | 639 | 1,306 | 361 | 1,020 | 3,536 | 3,842 | 3,608 |
| Kurnool, East .. | .. | 2,738 | .. | .. | .. | .. | .. | 2,738 | .. |
| Do. South .. | 5,543 | 7,440 | .. | 3,652 | .. | 1,035 | 9,195 | 8,475 | 8,843 |
| Do. West .. | 9,308 | 12,810 | .. | 4,249 | 35 | 3,287 | 13,557 | 16,132 | 18,140 |
| Bellary .. .. | 12,287 | 7,388 | 2,178 | 2,727 | 471 | 1,278 | 17,192 | 9,137 | 19,466 |
| Anantapur .. .. | 9,780 | 5,867 | .. | 1,490 | 21 | 1,240 | 11,270 | 7,128 | 10,735 |
| Total .. | 45,679 | 41,900 | 2,817 | 14,077 | 2,327 | 11,160 | 62,573 | 55,387 | 67,339 |
| *Central Circle.* | | | | | | | | | |
| Cuddapah, North. | 2,580 | 5,673 | 294 | 2,151 | 192 | 3,949 | 5,025 | 9,814 | 5,667 |
| Do. East .. | 4,756 | 1,585 | 298 | 2,788 | 2,280 | 1,012 | 7,842 | 4,877 | 6,592 |
| Nellore .. .. | 11,306 | 13,385 | 1,486 | 6,964 | 1,098 | 5,005 | 19,756 | 19,488 | 19,290 |
| Chingleput .. | 5,932 | 2,233 | 276 | 828 | 485 | 1,854 | 7,036 | 4,572 | 5,550 |
| North Arcot .. | 12,877 | 13,348 | 442 | 4,572 | 414 | 4,867 | 17,891 | 18,629 | 17,911 |
| Chittoor .. .. | 10,218 | 7,770 | 501 | 3,157 | 97 | 2,313 | 13,876 | 10,180 | 11,555 |
| South Arcot .. | 11,472 | 11,755 | .. | 682 | 53 | 686 | 12,154 | 12,494 | 17,407 |
| Salem, North .. | 1,502 | 1,166 | 120 | 1,127 | 138 | 526 | 2,749 | 1,830 | 3,433 |
| Do. South .. | 2,281 | 1,566 | 401 | 1,503 | 22 | 1,632 | 4,185 | 3,220 | 5,205 |
| Trichinopoly .. | 2,991 | 6,200 | 503 | 4,501 | .. | 81 | 7,995 | 6,281 | 7,984 |
| Guntúr .. .. | 11,268 | 10,485 | 3,792 | 6,636 | 3,412 | 14,748 | 21,696 | 28,645 | 14,920 |
| Total .. | * 77,183 | 75,166 | * 8,113 | * 34,909 | 8,191 | 36,673 | * 120,205 | 120,030 | 115,514 |
| *Southern Circle.* | | | | | | | | | |
| Canara, South .. | 924 | 775 | 6 | 40 | 14 | 69 | 970 | 858 | 1,027 |
| Malabar, North .. | 43 | 11 | .. | 8 | .. | 67 | 51 | 78 | 46 |
| Do. South .. | .. | .. | .. | 189 | .. | 114 | 189 | 114 | 160 |
| The Nilgiris .. | 587 | 382 | 39 | 7 | 96 | 185 | 633 | 663 | 429 |
| Kollegal .. | 2,923 | 2,429 | 23 | .. | 56 | 66 | 2,946 | 2,551 | 9,889 |
| Coimbatore, North .. | 5,515 | 2,464 | 23 | 908 | 5 | 26 | 6,446 | 2,495 | |
| Do. Central .. | 757 | 488 | .. | 1,689 | .. | 1,778 | 2,446 | 2,266 | |
| Do. South .. | 699 | 436 | 89 | 27 | .. | 220 | 815 | 656 | |
| Madura .. .. | 3,579 | 5,937 | 1,343 | 1,021 | 420 | 3,336 | 5,943 | 9,693 | 8,747 |
| Rámnád .. .. | 929 | 857 | 1,747 | 4,037 | 553 | 910 | 6,713 | 2,320 | 6,004 |
| Tinnevelly .. | | 1,164 | | | 435 | 3,383 | | 4,982 | |
| Total .. | 15,956 | 14,943 | 3,270 | 7,926 | 1,579 | 10,154 | 27,152 | 26,676 | 26,302 |
| Grand Total .. | 138,818 | 132,009 | 14,200 | 56,912 | 12,097 | 57,987 | 209,930 | 202,093 | 209,155 |

* Excludes figures for Kadiri range transferred to Northern Circle.

*N.B.*—The district reports of the Central Circle furnish no satisfactory explanation for the variations.

ANNUAL FORM No. 65.

*Forest Department, Madras Presidency.*

AREA of reserved forests and reserved lands during 1910–1911.

| District. | Area of reserved forests. Area on 1st July 1910. Acres. | Equivalent in square miles. | Added during the year. Acres. | Excluded during the year. Acres. | Area on 30th June 1911. Acres. | Equivalent in square miles. | Area of reserved lands. Area on 1st July 1910. Acres. | Equivalent in square miles. | Added during the year. Acres. | Excluded during the year. Acres. | Area on 30th June 1911. Acres. | Equivalent in square miles. | Total area of reserved forests and reserved lands. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| *Northern Circle.* | | | | | | | | | | | | | SQ. MILS. |
| Ganjám .. .. .. .. .. | 383,067 | 598 | .. | .. | 383,067 | (b) 599 | 72 | . | .. | .. | 72 | .. | 599 |
| Vizagapatam .. .. .. .. | 190,862 | 298 | 2,625 | .. | 193,487 | 302 | 2,625 | 4 | 6,515 | 2,625 | 6,515 | 10 | 312 |
| Gódávari, Upper .. .. .. .. | 273,746 | 428 | .. | .. | 273,746 | 428 | .. | .. | 345,600 | .. | 345,600 | 540 | 968 |
| Do. Lower .. .. .. .. | 260,692 | 407 | .. | .. | 260,692 | 407 | 47,955 | 75 | .. | .. | 47,955 | 75 | 482 |
| Kistna .. .. .. .. .. | 178,231 | 278 | .. | .. | 178,231 | 278 | 12,229 | 19 | .. | .. | 12,229 | 19 | 297 |
| Kurnool, East .. .. .. .. | (a) 644,813 | (a) 1,008 | 3,560 | 6,603 | 641,770 | 1,003 | .. | .. | .. | . | .. | .. | 1,003 |
| Do. South .. .. .. .. | (a) 495,608 | (a) 774 | .. | .. | 495,608 | 774 | .. | .. | .. | .. | .. | .. | 774 |
| Do. West .. .. .. .. | (a) 549,280 | (a) 858 | .. | 6 | 549,274 | 858 | .. | .. | 6 | .. | 6 | .. | 858 |
| Bellary .. .. .. .. .. | 399,447 | 624 | .. | .. | 399,447 | 624 | 41,792 | 66 | 75 | .. | 41,867 | 66 | 690 |
| Anantapur .. .. .. .. | 341,936 | 535 | 139,682 | 10 | 481,608 | 753 | 18,527 | 29 | 31,145 | 598 | 49,074 | 77 | 830 |
| Total .. | 3,717,682 | 5,808 | 145,867 | 6,619 | 3,856,930 | 6,026 | 123,200 | 193 | 383,341 | 3,223 | 503,318 | 787 | 6,813 |
| *Central Circle.* | | | | | | | | | | | | | |
| North Cuddapah .. .. .. | 470,359 | 735 | .. | 286 | 470,073 | 734 | 620 | 1 | .. | .. | 620 | 1 | 735 |
| East do. .. .. .. .. | 693,397 | 1,083 | .. | 1 | 693,396 | 1,083 | .. | .. | .. | .. | .. | .. | 1,083 |
| South do. .. .. .. .. | 338,380 | 529 | .. | (d) 139,329<br>(e) 199,051 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Nellore .. .. .. .. .. | 471,724 | 737 | .. | 47 | 471,677 | 737 | .. | .. | .. | .. | .. | .. | 737 |
| Chingleput .. .. .. .. | 136,566 | 213 | 9 | .. | 136,575 | 213 | 67 | .. | 6 | 9 | 64 | .. | 213 |
| North Arcot .. .. .. .. | 474,802 | 742 | 324,964 | 3,749 | 796,017 | 1,244 | 327 | 1 | 86 | .. | 413 | 1 | 1,245 |
| Chittoor .. .. .. .. | 350,025 | 547 | 199,516 | 12,980 | 536,561 | 839 | 1,315 | 2 | 6 | 465 | 856 | 1 | 840 |
| South Arcot .. .. .. .. | 426,274 | 666 | 591 | 205,698 | 221,167 | 346 | .. | .. | (c) .. | .. | .. | .. | 346 |
| North Salem .. .. .. .. | 595,300 | 931 | 18,159 | 106,297 | 507,162 | 792 | 29,290 | 46 | 10 | .. | 29,300 | 46 | 838 |
| South do. .. .. .. .. | 429,046 | 670 | 353 | 57,632 | 371,767 | 581 | 3,790 | 6 | .. | .. | 3,790 | 6 | 587 |
| Trichinopoly .. .. .. .. | 191,611 | 299 | 36,166 | 63 | 227,714 | 356 | 3,644 | 6 | (c) .. | 1,140 | 2,504 | 4 | 360 |
| Guntúr .. .. .. .. .. | 521,239 | 814 | .. | .. | 521,239 | 814 | 8 | .. | .. | .. | 8 | .. | 814 |
| Total .. | 5,098,723 | 7,966 | 579,758 | 725,133 | 4,953,348 | 7,739 | 39,061 | 62 | 108 | 1,614 | 37,555 | 59 | 7,798 |
| *Southern Circle.* | | | | | | | | | | | | | |
| Canara, South .. .. .. .. | 558,083 | 872 | 2,431 | 51,837 | 508,677 | 795 | 72,873 | 114 | .. | 2,563 | 70,310 | 110 | 905 |
| Malabar, North .. .. .. .. | 166,892 | 261 | .. | .. | 166,892 | 261 | 504 | 1 | .. | 9 | 495 | 1 | 262 |
| Do. South .. .. .. .. | 104,111 | 163 | .. | 34,848 | 69,263 | 108 | 40,926 | 64 | .. | 5,703 | 35,223 | 55 | 163 |
| The Nilgiris .. .. .. .. | 308,682 | 482 | 13 | 2,534 | 306,161 | 478 | 54,882 | 86 | 31 | 2,365 | 52,548 | 82 | 560 |
| Kollegal .. .. .. .. .. | 286,358 | 447 | .. | 165 | 286,193 | 447 | 165,063 | 258 | .. | .. | 165,063 | 258 | 705 |
| Coimbatore, North .. .. .. | 577,832 | 903 | 11,543 | .. | 589,375 | 921 | 10,511 | 16 | .. | 10,240 | 271 | .. | 921 |
| Do. Central .. .. .. | 196,657 | 307 | 13 | 70 | 196,600 | 307 | 30,343 | 47 | 124 | 13 | 30,454 | 48 | 355 |
| Do. South .. .. .. | 292,515 | 457 | 14 | 1,901 | 290,628 | 454 | .. | .. | .. | .. | .. | .. | 454 |
| Madura .. .. .. .. .. | 426,503 | 666 | .. | 375 | 426,128 | 666 | .. | .. | 1 | .. | 1 | .. | 666 |
| Rámnád .. .. .. .. .. | 46,515 | 73 | 6 | 37 | 46,484 | 73 | 150 | .. | 130 | 6 | 274 | .. | 73 |
| Tinnevelly .. .. .. .. | 233,386 | 364 | 519 | 7,086 | 226,819 | 354 | 912 | 2 | 405 | 519 | 798 | 1 | 355 |
| Total .. | 3,197,534 | 4,995 | 14,539 | 98,853 | 3,113,220 | 4,864 | 376,164 | 588 | 691 | 21,418 | 355,437 | 555 | 5,419 |
| Grand Total, presidency .. | 12,013,939 | 18,769 | 740,164 | 830,605 | 11,923,498 | 18,629 | 538,425 | 843 | 384,140 | 26,255 | 896,310 | 1,401 | 20,030 |

(a) Redistribution amongst the three new divisions. (b) Corrected to round off figures.

(c) Excludes 316 acres and 1,166 acres of padugai lands transferred in South Arcot and Trichinopoly districts respectively to the control of the Forest Department.

(d) Area of the Kadiri range of the old South Cuddapah division transferred to Anantapur. (e) Area of the Voyalpad range of the old South Cuddapah division transferred to Anantapur.

## AREA of reserved forests and reserved lands during 1910–1911.

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | **NORTHERN CIRCLE.** | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Ganjám. | Area notified in previous years .. | 383,067 | 598 | .. | .. | 383,067 | (*a*) 599 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| Ganjám. | Area notified in previous years .. | 72 | .. | .. | .. | 72 | 0·11 | |
| | *Reserved forests.* | | | | | | | |
| Vizagapatam. | Area notified in previous years . | 190,862 | 298 | .. | .. | 190,862 | 298 | |
| | Added—Somaralli and its extension. | .. | .. | 2,625 | .. | 2,625 | 4·10 or 4 | No. 62, dated 17th January 1911. |
| | Total .. | 190,862 | 298 | 2,625 | .. | 193,487 | 302 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 2,625 | 4 | .. | .. | 2,625 | 4 | |
| | Added—Sarugudu block VI .. | .. | .. | 6,501 | .. | 6,501 | 10·16 | No. 219, dated 20th April 1911. |
| | Sâl area near Donabai .. .. | .. | .. | * 14 | .. | 14 | 0·02 | * Notified during 1909-1910 under rule 2 of the rules for the management of Forests and waste lands in Palakonda and Golgonda Agency tracts but omitted by mistake last year. |
| | Total .. | 2,625 | 4 | 6,515 | .. | 9,140 | 14·18 | |
| | Excluded—Samaralli and its extension. | .. | .. | .. | 2,625 | 2,625 | 4·10 | Transferred to reserved forests. |
| | Net area .. | 2,625 | 4 | 6,515 | 2,625 | 6,515 | 10·08 or 10 | |
| | *Reserved forests.* | | | | | | | |
| Gódávari, Upper. | Area notified in previous years. | 273,746 | 428 | .. | .. | 273,746 | 428 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years. | .. | .. | .. | .. | .. | .. | |
| | Added—Reserved and unreserved lands of Nugur taluk. | .. | .. | 345,600 | .. | 345,600 | 540 | No. 236, dated 7th May 1911. |
| | Total .. | .. | .. | 345,600 | .. | 345,600 | 540 | |
| | *Reserved forests.* | | | | | | | |
| Gódávari, Lower. | Area notified in previous years .. | 260,692 | 407 | .. | .. | 260,692 | 407 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 47,955 | 75 | .. | .. | 47,955 | 75 | |
| | *Reserved forests.* | | | | | | | |
| Kistna. | Area notified in previous years .. | 178,231 | 278 | .. | .. | 178,231 | 278 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years. | 12,229 | 19 | .. | .. | 12,229 | 19 | |

(*a*) As per foot-note.

## Area of reserved forests and reserved lands during 1910–1911—*cont.*

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | **NORTHERN CIRCLE—*cont.*** | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Kurnool, East. | Area notified in previous years. | 644,813 | 1,008 | .. | .. | 644,813 | 1,008 | |
| | Added— | | | | | | | |
| | Markapur reserve .. .. | .. | .. | 3,560 | .. | 3,560 | 5·56 | Rectification as per area given in survey of India sheets. |
| | Total .. | 644,813 | 1,008 | 3,560 | .. | 648,373 | 1,013·56 | |
| | Excluded— | | | | | | | |
| | Cumbum reserve .. .. | .. | .. | .. | 6,519 | 6,519 | 10·19 | Do. |
| | Buddivid extension .. .. | .. | .. | .. | 84 | 84 | 0·13 | Rectification of error—*vide* area statement printed in Board's Proceedings, Forest No. 89, dated 12th April 1905. |
| | Total exclusion .. | .. | .. | .. | 6,603 | 6,603 | 10·32 | |
| | Net area .. | 644,813 | 1,008 | 3,560 | 6,603 | 641,770 | 1,003·24 or 1,003 | |
| | *Reserved lands not transferred to reserved forests during the year*—Nil. | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Kurnool, South. | Area notified in previous years.. | 495,608 | 774 | .. | .. | 495,608 | 774 | |
| | *Reserved lands not transferred to reserved forests during the year*—Nil. | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Kurnool, West. | Area notified in previous years .. | 549,280 | 858 | .. | .. | 549,280 | 858 | |
| | Excluded— | | | | | | | |
| | Portion of Paniem reserve (portion field survey No. 434 of Bugganipalli village, Nandyal taluk) .. | .. | .. | .. | 6·17 or 6 | 6·17 or 6 | 0·01 | Government Order (official memorandum) No. 3017-A/10-1, Revenue, dated 26th July 1910. |
| | Net area .. | 549,280 | 858 | .. | 6 | 549,274 | 858·01 or 858 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | .. | .. | .. | .. | .. | .. | |
| | Added— | | | | | | | |
| | Paniem reserve addition . | .. | .. | 6·17 or 6 | .. | 6·17 or 6 | 0·01 | No. 594, dated 19th October 1910. |
| | Total .. | .. | .. | 6 | .. | 6 | 0·01 | |
| | *Reserved forests.* | | | | | | | |
| Bellary. | Area notified in previous years.. | 399,447 | 624 | .. | .. | 399,447 | 624 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years.. | 41,792 | * 65·30 | .. | .. | 41,792 | 65·30 | * As per correct calculation. |
| | Added— | | | | | | | |
| | Moka plantation .. .. | .. | .. | 75 | .. | 75 | 0·12 | Correction made during Settlement—*vide* foot-note to area statement printed in Board's Proceedings, Forest No. 110, dated 21st April 1911. |
| | Total .. | 41,792 | 65·30 | 75 | .. | 41,867 | 65·42 or 66 | |
| | *Reserved forests.* | | | | | | | |
| Anantapur. | Area notified in previous years .. | 341,936 | 535 | .. | .. | 341,936 | 535 | |
| | Added— | | | | | | | |
| | Kuderu extension .. .. | .. | .. | 598 | .. | 598 | 0·93 | No. 161, dated 15th March 1911. |
| | 25 Reserves in Kadiri taluk. | .. | .. | 139,084 | .. | 139,084 | 217·32 | Transferred from Central Circle—*vide* notification No. 381, dated 16th July 1910. |
| | Total .. | 341,936 | 535 | 139,682 | .. | 481,618 | 753·25 | |
| | Excluded— | | | | | | | |
| | Portion of Jambugumpala. | .. | .. | .. | 10 | 10 | 0·02 | Due to rectification of boundary between Anantapur and Mysore territory. |
| | Net area .. | 341,936 | 535 | 139,682 | 10 | 481,608 | 753·23 or 753 | |

## Area of reserved forests and reserved lands during 1910-1911—*cont.*

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | **NORTHERN CIRCLE—*cont.*** | | | | | | | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| Anantapur—*cont.* | Area notified in previous years.. | 18,527 | 29 | .. | .. | 18,527 | 29 | |
| | Added— | | | | | | | |
| | Agraharam additions I and II. | .. | .. | 0·21 | .. | 0·21 | .. | No. 11, dated 20th December 1910. |
| | Cherlopalli addition I .. | .. | .. | 0·08 | .. | 0·08 | .. | |
| | Amagondapaliem extension. | .. | .. | 9,875 | .. | 9,875 | 15·43 | Notified by Collector under section 26. |
| | Mushtikonda .. .. | .. | .. | 21,270 | .. | 21,270 | 33·23 | |
| | Total .. | 18,527 | 29 | 31,145·29 | .. | 49,672·29 | 77·66 | |
| | Excluded— | | | | | | | |
| | Kuderu extension .. .. | .. | .. | .. | 598 | 598 | 0·93 | Transferred to reserved forests. |
| | Net area .. | 18,527 | 29 | 31,145 | 598 | 49,074 | 76·73 or 77 sq. mls. | |
| | **CENTRAL CIRCLE.** | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Cuddapah, North. | Area notified in previous years.. | 470,359 | 735 | .. | 286 | 470,073 | 734 | Disafforested, notification No. 441, dated 3rd August 1910. |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 620 | 1 | .. | .. | 620 | 1 | |
| | *Reserved forests.* | | | | | | | |
| Cuddapah, East. | Area notified in previous years .. | 693,397 | 1,083 | .. | 1 | 693,396 | 1,083 | Notification No. 50, dated 9th January 1911. |
| | *Reserved lands not transferred to reserved forests during the year*—Nil. | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Nellore .. | Area notified in previous years.. | 471,724 | 737 | .. | 47 | 471,677 | 737 | Disafforested 9·19 acres in Udayagiri, Durgam Hill reserve notification No. 175, dated 21st March 1911, 38·11 acres in Tummalapenta North reserve, notification No. 131, dated 28th February 1910. |
| | *Reserved lands not transferred to reserved forests during the year*—Nil. | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Chingleput. | Area notified in previous years .. | 136,566 | 213 | .. | .. | 136,566 | 213 | Notification No. 223, dated 8th April 1910. |
| | Kovilpadugai extension No. II .. | .. | .. | 9 | .. | 9 | .. | |
| | Total .. | 136,566 | 213 | 9 | .. | 136,575 | 213 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 67 | .. | .. | 9 | 58 | .. | Transferred to reserved forests, notification No. 419, dated 28th July 1910. |
| | Perungoli extension No. 1 .. | .. | .. | 6 | .. | 6 | .. | |
| | Total .. | 67 | .. | 6 | 9 | 64 | .. | |
| | *Reserved forests.* | | | | | | | |
| Arcot, North. | Area notified in previous years .. | 474,802 | 742 | (*c*) 205,691<br>(*d*) 106,297<br>(*e*) 12,976 | (*a*) 73<br>(*b*) 3,676 | 796,017 | 1,244 | .... |

(*a*) Disafforested—Board's Proceedings, Forest No. 144, dated 31st May 1911, notification No. 260, dated 3rd May 1911.
(*b*) Disafforested—Board's Proceedings, Forest No. 159, dated 21st June 1911, notification No. 295, dated 20th May 1911
(*c*) Area of the Tiruvannamalai range transferred from South Arcot.
(*d*) Area of the Tirupathur range transferred from North Salem.
(*e*) Area of the Palmaner range.

## Area of reserved forests and reserved lands during 1910–1911—*cont.*

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | CENTRAL CIRCLE—*cont.* | | | | | | | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| Arcot, North—*cont.* | Area notified in previous years .. | 327 | 1 | * 78 | .. | 405 | 1 | * Area transferred with Tirupattúr and Tiruvannámalai taluks. |
| | Panamadangi reserve survey No. 18 of Vandranthangal. | .. | .. | 1 | .. | 1 | .. | Notification No. 247, dated 5th May 1911. |
| | Tiruvallam plantation survey Nos. 249, 250 and 251 of Kemparajapuram. | .. | .. | 7 | .. | 7 | .. | Notification No. 184, dated 29th March 1911. |
| | Total .. | 327 | 1 | 86 | .. | 413 | 1 | |
| | *Reserved forests.* | | | | | | | |
| Chittoor. | Area notified in previous years .. | 350,025 | 547 | (*a*) 199,051 | ‡ 4<br>(*b*) 12,976 | 536,096 | 838 | ‡ Disafforested notification No. 401, dated 30th June 1910. |
| | Bommasamudram C. .. .. | .. | .. | 465 | .. | 465 | 1 | Notification No. 176, dated 15th March 1911. |
| | Total .. | 350,025 | 547 | 199,516 | 12,980 | 536,561 | 839 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 1,315 | 2 | .. | 465 | 850 | } 1 | Transferred to reserved forests, notification No. 400, dated 30th June 1910. |
| | Vovilthota addition .. .. | .. | .. | 4 | .. | 4 | | Notification No. 27, dated 26th December 1910. |
| | Basavireddipalle extension B .. | .. | .. | 2 | .. | 2 | | |
| | Total .. | 1,315 | 2 | 6 | 465 | 856 | 1 | |
| | *Reserved forests.* | | | | | | | |
| Arcot, South. | Area notified in previous years .. | 426,274 | 666 | § 591 | (*c*) 205,691<br>§ 7 | 221,167 | 346 | § Due to correct computation of areas when final working-plan for Vriddachalam working circle was prepared. |
| | *Reserved lands not transferred to reserved forests during the year*—Nil. | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Salem, North. | Area notified in previous years .. | 595,300 | 931 | (*d*) 18,159 | (*e*) 106,297 | 507,162 | 792 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 29,290 | 46 | .. | .. | 29,290 | 46 | Notification No. 645, dated 28th November 1910. |
| | Bainurmalai extension .. .. | .. | .. | 10 | .. | 10 | .. | |
| | Total .. | 29,290 | 46 | 10 | .. | 29,300 | 46 | |
| | *Reserved forests.* | | | | | | | |
| Salem South. | Area notified in previous years .. | 429,046 | 670 | ‖ 353 | ‖ 5,678<br>(*f*) 18,159<br>(*g*) 33,795 | 371,767 | 581 | ‖ Rectification of areas owing to correct computation. |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 3,790 | 6 | .. | .. | 3,790 | 6 | |

(*a*) Area of the Vayalpad range transferred from the old South Cuddapah Division.
(*b*) Area of the Palmanēr range.
(*c*) Area of the Tiruvannāmalai range transferred to North Arcot district.
(*d*) Area of Salem West Range transferred to the division.
(*e*) Area of Tiruppattūr range transferred to North Arcot.
(*f*) Area of Salem West Range transferred to North Salem.
(*g*) Area of Nāmakkal range transferred to Trichinopoly.

Area of reserved forests and reserved lands during 1910–1911—*cont.*

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | CENTRAL CIRCLE—*cont.* | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Trichinopoly. | Area notified in previous years .. | 191,611 | 299 | (a) 1,901<br>(b) 470<br>(j) 33,795 | (c) 63 | 227,714 | 356 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| Trichinopoly. | Area notified in previous years .. | 3,644 | 6 | .. | (d) 470<br>(e) 670 | 2,504 | 4 | |
| | Total .. | 3,644 | 6 | .. | 1,140 | 2,504 | 4 | |
| | *Reserved forests.* | | | | | | | |
| Guntúr. | Area notified in previous years .. | 521,239 | 814 | .. | .. | 521,239 | 814 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| Guntúr. | Area notified in previous years .. | 8 | .. | .. | .. | 8 | .. | |
| | SOUTHERN CIRCLE. | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| South Canara. | SHANKRANARAIN. | | | | | | | |
| | Bakudihola extension .. .. | .. | .. | 3 | .. | 3 | .. | No. 498, dated 1st September 1910. |
| | PUTTUR. | | | | | | | |
| | Kilarmale extension No. VIII .. | .. | .. | 3<br>( ) 1 | .. | 4 | .. | No. 404, dated 18th July 1910, and No. 18, dated 22nd December 1910. |
| | KASARAGOD. | | | | | | | |
| | Parappa addition No. I .. .. | .. | .. | 79 | .. | 79 | .. | No. 616, dated 14th November 1910. |
| | Bantaje .. .. .. .. | .. | .. | 2,345 | .. | 2,345 | .. | No. 214, dated 22nd March 1910. |
| | Area notified in previous years .. | 558,083 | .. | .. | (f) 51,837 | 506,246 | .. | |
| | Total .. | 558,083 | 872 | 2,431 | 51,837 | 508,677 | 795 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| South Canara. | Area notified in previous years .. | 72,873 | 114 | .. | (h) 109<br>(g) 2,430<br>(f) 24 | 70,310 | 110 | |
| | *Reserved forests.* | | | | | | | |
| Malabar, North. | Area notified in previous years .. | 166,892 | 261 | .. | .. | 166,892 | 261 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| Malabar, North. | Area notified in previous years .. | 504 | 1 | .. | (i) 9 | 495 | 1 | |

(*a*) Area of Karúr reserves transferred from Southern Circle.
(*b*) Notification No. 356, dated 11th June 1910.
(*c*) Padugai reserves transferred to Public Works Department.
(*d*) Transferred to reserved forests.
(*e*) Included at settlement. G.O. No. 1968, dated 11th June 1910.
(*f*) Rectification of area due to adoption of Survey of India figures.
(*g*) Transferred to reserved forests.
(*h*) Excluded at Settlement.
(*i*) Correction of area by recomputation.
(*j*) Area of portion of Nāmakkal range of South Salem Division transferred to this district.

## Area of reserved forests and reserved lands during 1910–1911—*cont.*

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | SOUTHERN CIRCLE—*cont.* | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Malabar, South. | Area notified in previous years .. | 104,111 | 163 | .. | (a) 34,848 | 69,263 | 108 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 40,926 | 64 | .. | (a) 5,703 | 35,223 | 55 | |
| | *Reserved forests.* | | | | | | | |
| Nilgiris, The. | SEGUR. | | | | | | | |
| | Bokkapuram Reserve Addition No. I .. .. .. | .. | .. | 5 | .. | 5 | .. | No. 499, dated 5th September 1910. |
| | Bokkapuram Reserve Addition No. II .. .. .. | .. | .. | 4 | .. | 4 | .. | No. 499, dated 5th September 1910. |
| | Bokkapuram Reserve Addition No. III .. .. .. | .. | .. | 4 | .. | 4 | .. | No. 499, dated 5th September 1910. |
| | Area notified in previous years .. | 308,682 | .. | .. | (a) 2,534 | 306,148 | .. | |
| | Total .. | 308,682 | 482 | 13 | 2,534 | 306,161 | 478 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | SEGUR. | | | | | | | |
| | Snowdon Reserve Addition .. | .. | .. | 31 | .. | 31 | .. | No. 95, dated 7th February 1911. |
| | Area notified in previous years .. | 54,882 | .. | .. | (b) 13<br>(c) 2,352 | 52,517 | .. | |
| | Total .. | 54,882 | 86 | 31 | 2,365 | 52,548 | 82 | |
| | *Reserved forests.* | | | | | | | |
| Kollegal. | Area notified in previous years .. | 286,358 | 447 | .. | (d) 165 | 286,193 | 447 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 165,063 | 258 | .. | .. | 165,063 | 258 | |
| | *Reserved forests.* | | | | | | | |
| Coimbatore, North. | BHAVANI. | | | | | | | |
| | Ennamangalam .. .. .. .. | .. | .. | 5,916 | .. | 5,916 | .. | No. 580, dated 8th November 1910. |
| | Area notified in previous years .. | 577,832 | .. | (d) 5,627 | .. | 583,459 | .. | |
| | Total .. | 577,832 | 903 | 11,543 | .. | 589,375 | 921 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | Area notified in previous years .. | 10,511 | 16 | .. | (b) 5,916<br>(e) 4,324 | 271 | .. | |
| | *Reserved forests.* | | | | | | | |
| Coimbatore, Central. | ERODE. | | | | | | | |
| | Chennimalai Reserve Addition .. | .. | .. | 13 | .. | 13 | .. | No. 634, dated 24th November 1910. |
| | Area notified in previous years .. | 196,657 | .. | .. | (a) 70 | 196,587 | .. | |
| | Total .. | 196,657 | 307 | 13 | 70 | 196,600 | 307 | |

(a) Rectification of area due to adoption of Survey of India figures.
(b) Transferred to reserved forests.
(c) Deducted having been shown in previous years' returns by mistake.
(d) Correction of area by recomputation.
(e) Excluded at Settlement.

## Area of reserved forests and reserved lands during 1910-1911—*cont.*

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | SOUTHERN CIRCLE—*cont.* | | | | | | | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| Coimbatore, Central—*cont.* | Survey No. 469-B. of Vadamugam Vellodu in Vellodu tope reserve. | .. | .. | 4 | .. | 4 | .. | No. 15, dated 24th December 1910. |
| | METTUPALAIYAM. | | | | | | | |
| | Modur-Pethikuttai Addition .. | .. | .. | 120 | .. | 120 | .. | No. 657, dated 5th December 1910. |
| | Area notified in previous years .. | 30,343 | .. | .. | (*a*) 13 | 30,330 | .. | |
| | Total .. | 30,343 | 47 | 124 | 13 | 30,454 | 48 | |
| | *Reserved forests.* | | | | | | | |
| Coimbatore, South. | Area notified in previous years .. | 292,515 | 457 | (*b*) 14 | (*c*) 1,901 | 290,628 | 454 | No. 474, dated 10th September 1910. |
| | *Reserved lands not transferred to reserved forests during the year*—Nil. | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| Madura. | Area notified in previous years .. | 426,503 | 666 | .. | (*d*) 375 | 426,128 | 666 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | KODAIKANAL. | | | | | | | |
| | Survey No. 1704-B. of Pannakad in Perumalmalai reserved forest. | .. | .. | 1 | .. | 1 | .. | No. 26, dated 24th December 1910. |
| | *Reserved forests.* | | | | | | | |
| Rámnád. | SRÍVILLIPUTTÚR. | | | | | | | |
| | Sappani Parambu extension .. | .. | .. | 6 | .. | 6 | .. | No. 135, dated 2nd March 1911. |
| | Area notified in previous years .. | 46,515 | .. | .. | (*d*) 37 | 46,478 | .. | |
| | Total .. | 46,515 | 73 | 6 | 37 | 46,484 | 73 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | SRÍVILLIPUTTÚR. | | | | | | | |
| | Additions to Srívilliputtúr ghât forests V (*a*) in Puduppatti village. | .. | .. | 49 | .. | 49 | .. | No. 399, dated 8th July 1910. |
| | Additions to Srívilliputtúr ghât forests V (*a*) in Tirumalaperi village. | .. | .. | (*e*) .. | .. | (*e*) .. | .. | No. 563, dated 11th October 1910. |
| | Additions to Srívilliputtúr ghât forests V (*a*) in Alagapuri village. | .. | .. | (*e*) .. | .. | (*e*) .. | .. | No. 13, dated 14th December 1910. |
| | Additions to Srívilliputtúr ghât forests V (*a*) in Valaikulam village. | .. | .. | 6 | .. | 6 | .. | No. 198, dated 3rd April 1911. |
| | Additions to Srívilliputtúr ghât forests V (*a*) in Khansapuram village. | .. | .. | 39 | .. | 39 | .. | No. 237, dated 26th April 1911. |
| | Additions to Srívilliputtúr ghât forests V (*a*) in Lakshmipuram village. | .. | .. | 36 | .. | 36 | .. | No. 296, dated 7th June 1911. |
| | Area notified in previous years .. | 150 | .. | .. | (*a*) 6 | 144 | .. | |
| | Total .. | 150 | .. | 130 | 6 | 274 | .. | |

(*a*) Transferred to reserved forests.
(*b*) Correction of area by recomputation.
(*c*) Transferred to Trichinopoly district.
(*d*) Rectification of area due to adoption of Survey of India figures.
(*e*) Less than one acre.

Area of reserved forests and reserved lands during 1910–1911—*cont.*

| District. | Name of forest. | Area on 1st July 1910. Acres. | Area on 1st July 1910. Equivalent in square miles. | Added during the year. Acres. | Excluded or transferred to other heads. Acres. | Area on 30th June 1911. Acres. | Area on 30th June 1911. Equivalent in square miles. | Number and date of notification of addition or transfer. |
|---|---|---|---|---|---|---|---|---|
| | SOUTHERN CIRCLE—*cont.* | | | | | | | |
| | *Reserved forests.* | | | | | | | |
| | KUTTALAM. | | | | | | | |
| | Naranapuram .. .. .. | .. | .. | 390 | .. | 390 | .. | No. 193, dated 29th March 1911. |
| | NANGUNERI. | | | | | | | |
| | Mayanparambu estate .. .. | .. | .. | 109 | .. | 109 | .. | No. 497, dated 5th September 1910. |
| | TINNEVELLY. | | | | | | | |
| | Milavittan addition .. .. | .. | .. | 8 | .. | 8 | .. | No. 14, dated 10th January 1911. |
| | Vallanad addition .. .. | .. | .. | 12 | .. | 12 | .. | No. 16, dated 10th January 1911. |
| | Area notified in previous years .. | (*a*)233,386 | .. | .. | (*b*) 4<br>(*c*) 7,082 | 226,300 | .. | Nos. 398, dated 15th July 1910 and 73, dated 18th January 1911. |
| | Total .. | 233,386 | 364 | 519 | 7,086 | 226,819 | 354 | |
| | *Reserved lands not transferred to reserved forests during the year.* | | | | | | | |
| | KUTTALAM. | | | | | | | |
| | Additions (1) and (2) to the Puliangudi, Chintamoni and Vasudevanallur reserved forests lower slopes IV(*a*) in Tirumalapuram village. | .. | .. | 2 | .. | 2 | .. | No. 144, dated 8th March 1911. |
| | Additions to Puliangudi, Chintamoni and Vasudevanallur reserved forests lower slopes IV (*a*) in Naranapuram village. | .. | .. | 7 | .. | 7 | .. | No. 201, dated 3rd April 1911. |
| Tinnevelly. | Additions to Puliangudi, Chintamoni land Vasudevanallur reserved forests lower slopes IV(*a*) in Melapuliangudi village. | .. | .. | 9 | .. | 9 | .. | No. 197, dated 3rd April 1911. |
| | Additions to Puliangudi, Chintamoni and Vasudevanallur reserved forests lower slopes IV(*a*) in Vasudevanallur village. | .. | .. | 18 | .. | 18 | .. | No. 258, dated 11th May 1911. |
| | Additions to Puliangudi, Chintamoni and Vasudevanallur reserved forest lower slopes IV(*a*) in Mela Chintamoni village. | .. | .. | 6 | .. | 6 | .. | No. 294, dated 1st June 1911. |
| | Addition to Chinnakadu hill block No. 34. | .. | .. | 1 | .. | 1 | .. | No. 541, dated 28th August 1910. |
| | AMBÁSAMUDRAM. | | | | | | | |
| | Enclosures to the Papanasam and Alwarkurichi reserved forest II and II(*b*). | .. | .. | 189 | .. | 189 | .. | No. 136, dated 2nd March 1911. |
| | Addition to Papanasam and Alwarkurichi reserved forest II(*b*) in Vikramasingapuram village. | .. | .. | 2 | .. | 2 | .. | No. 256, dated 18th May 1911. |
| | NÁNGUNÉRI. | | | | | | | |
| | Addition to Kalakad reserved forest I (*a*). | .. | .. | 7 | .. | 7 | .. | No. 453, dated 15th August 1910. |
| | TINNEVELLY. | | | | | | | |
| | Addition II to Kottamadaki reserved forest. | .. | .. | 157 | .. | 157 | .. | No. 551, dated 30th September 1910. |
| | Area notified in previous years .. | (*a*) 912 | .. | (*d*) 7 | (*e*) 519 | 400 | .. | .... |
| | Total .. | 912 | 2 | 405 | 519 | 798 | 1 | |

(*a*) The last year's closing balance is entered separately for Rámnád and Tinnevelly.
(*b*) Disafforested.
(*c*) Rectification of area due to adoption of Survey of India figures.
(*d*) Correction of area by recomputation.
(*e*) Transferred to reserved forests.

ANNUAL

*Forest Department,*

STATEMENT showing the Progress made in, and the Expenditure

| Name of forest district. | Area already settled at commencement of year. | Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement. | Name of forest settled. | Area. | Expenditure incurred during the year on areas finally settled. In forest accounts. | In other accounts. | Entire cost per square mile of areas finally settled during the year. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| *Northern* | | | | | | | |
| | SQ. MLS. | | | SQ. MLS. | | | |
| Ganjám .. | 598·53 | .... | .... | .. | .. | .. | .. |
| Vizagapatam. | 298·22 | No. 62, dated 17th January 1911. | Somaralli .. .. .. | 4·10 | .. | .. | .. |
| Gódávari, Upper. | 427·73 | .... | .... | .. | .. | .. | .. |
| Gódávari, Lower. | 407·33 | .... | .... | .. | .. | .. | .. |
| Kistna .. | 278·49 | .... | .... | .. | .. | .. | .. |
| Kurnool, East. | 1,007·52 | .... | .... | (e)—4·76 | .. | .. | .. |
| Kurnool, South. | 774·39 | .... | .... | .. | .. | .. | .. |
| Kurnool, West. | 858·24 | .... | Paniem reserve .. .. | (e)— ·01 | .. | .. | .. |
| Bellary .. | 624·14 | G.O. No. 992, Revenue, dated 4th April 1911. | Moka plantation .. .. | (g) 1·72 | .. | .. | .. |
| Anantapur. | 534·28 | G.O. No. 751, Revenue, dated 15th March 1911. | Kuderu extension .. .. | 0·93 | .. | .. | .. |
| | | .... | 25 Reserves in Kadiri taluk .. | (h)217·30 | .. | .. | .. |
| Total .. | 5,808·87 | | | 219·28 | .. | .. | .. |
| *Central* | | | | | | | |
| Chingleput. | 213·40 | .... | .... | .. | .. | .. | .. |
| North Arcot. | 1,243·77 | .... | .... | .. | .. | .. | .. |
| Chittoor .. | 838·37 | G.O. No. 752, dated 15th March 1911. | Bommasamudram C .. | ·72 | .. | .. | .. |
| North Salem. | 792 | .... | .... | .. | .. | .. | .. |
| South Salem. | 581 | .... | .... | .. | .. | .. | .. |
| Trichinopoly. Tanjore .. | 355·84 | G.O. No. 1968, dated 11th June 1910. | Mogavanur .. .. .. | ·73 | .. | .. | .. |
| Guntúr .. | 814·43 | .... | .... | .. | .. | .. | .. |
| | | | Total .. | 1·45 | .. | .. | .. |

(a) Of this 5 square miles relate to Sollundi, Nagiri, Chamunda and Budurangu notified
(b) Sal area
(c) Area of Nugur
(d) North Velegondas addition No. II notified
(e) *Vide* remark against this district
(f) As per correct calculation
(g) Correction made during settlement—*vide* footnote to area statement
(h) Transferred from Central Circle as per

NOTE. (CENTRAL CIRCLE)—No block is under

* The Vengur padugai and Vengur (Togur) merged in

FORM No. 66.

*Madras Presidency.*

incurred on, Forest Settlements during 1910–1911.

| Areas undergoing settlement. | | | | Expenditure incurred during the year on areas undergoing settlement. | | Estimate of areas in which settlement operations have not yet commenced. |
|---|---|---|---|---|---|---|
| At commencement of the year. | | Taken in hand during the year. | | | | |
| Name of tract. | Area. | Name of tract. | Area. | In forest accounts. | In other accounts. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| *Circle.* | | | | | | |
| | SQ. MLS. | | SQ. MLS. | RS. | | SQ. MLS. |
| Pudringi enclosure .. .. | 0·11 | .... | | .. | .. | (a) 75 |
| .... | .. | Sarugudu No. VI .. .. | 10·16 | .. | .. | (b) ·14 |
| .... | .. | .... | .. | .. | .. | (c) 540 |
| Coringa extension . .. | 75 | .... | .. | .. | .. | .. |
| .... | .. | .... | .. | .. | .. | .. |
| .... | .. | ... | .. | .. | .. | .. |
| .... | .. | .... | .. | .. | .. | (d) 0·01 |
| .... | .. | .... | .. | .. | .. | .. |
| Sandal area near Chilkanhatti. | (f) 1·20 | .... | .. | .. | .. | .. |
| Ramagiri additions I and II .. | 0·12 | Bhadrapur extension.. .. | ·56 | .. | .. | .. |
| Yerrakonda extension No. II... | 9·80 | Agraharam additions I and II. | 0·21 | .. | .. | .. |
| Vengalammacheruvu extension. | 0·09 | } Cherlopalle addition I .. | 0·08 | .. | .. | .. |
| Budikonda extension No. I .. | 0·58 | | | | | |
| | 86·90 | | 11·01 | .. | .. | 615·15 |
| *Circle.* | | | | | | |
| Sengundrum extension No. II. | 0·09 | Perungole extension No. I .. | 0·01 | .. | .. | .... |
| .... | .. | Survey No. 18 Vandranthangal village of Panamadangi reserve. | ACS. 1·32 | .. | .. | .... |
| | | Survey Nos. 249, 250 and 251 of Kempurazapuram village, Tiruvallam Plantation. | 6·73 | | | |
| | | | 8·05 or ·01 sq. mls. | | | |
| Airala extension .. .. | 1·32 | Vovilthota .. .. .. | ·006 | .. | .. | ... |
| | | Basavireddipalle .. .. | ·003 | | | |
| | | Bainurmalai extension.. .. | ·015 | .. | .. | .. |
| Hudaidurgam .. .. | 46· | .... | .. | 18 | .. | .... |
| Aruna . .. .. .. | 3· | .... | .. | .. | .. | 9·33 |
| Tirtagiri .. .. .. | 3· | .... | .. | .. | .. | .... |
| * Vengur padugai and Togur. | 1· | .... | .. | .. | .. | .... |
| Palamalai extension .. .. | 1·39 | .... | .. | .. | .. | .... |
| V. Kanapadi extension .. | 1·00 | .... | .. | .. | .. | .... |
| Gokanakonda extension No. I. | 8 acres | | | | | |
| | 56·80 & 8 acres | | ·044 | 18 | .. | 9·33 |

under section 4 after the close of the year and the balance 70 square miles to Chokkapad forests.
near Donabai.
taluk newly added.
under section 4 after the close of the year.
in the enclosure to Form No. 65.
the area in acres being 767.
printed in Board's Proceedings, Forest No. 110, dated 21st April 1911.
notification No. 381, dated 16th July 1910.

settlement in other districts.
one since Trichinopoly and Tanjore were formed into one forest division.

Statement showing the Progress made in, and the Expenditure

| Name of forest district. | Area already settled at commencement of year. | Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement. | Name of forest settled. | Area in square miles. | Expenditure incurred during the year on areas finally settled. In forest accounts. | In other accounts. | Entire cost per square mile of areas finally settled during the year. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | *Southern* |
| | SQ. MLS. | | | SQ. MLS. | RS. | RS. | |
| South Canara. | 872 (a)—81 | G.O., No. 890, Rev., dated 22nd March 1910. | Bantaje .. .. .. .. | 3·66 | .. | .. | .. |
| | | G.O., No. 2891, Rev., dated 1st Sept. 1910. | Bakudihola extension .. .. | .. | .. | .. | .. |
| | | .... | .... | .. | .. | .. | .. |
| | | G.O., No. 3605, Rev., dated 24th Nov. 1910. | Parappa addition No. I .. | 0·12 | .. | .. | .. |
| | | G.O., No. 2381, Rev., dated 18th July 1910. | Kilarmale extension VIII .. | .. | .. | .. | .. |
| | | | Total .. | 3·78 | .. | .. | .. |
| Malabar, North. | 261 | .... | .... | .. | .. | .. | .. |
| Malabar, South. | 163 (a)—55 | .... | .... | .. | .. | .. | .. |
| The Nilgiris. | 482 (a)—4 | G.O., No. 2932, Rev., dated 5th Sept. 1910. | Bokkapuram reserve addition No. I. | ·008 | 74 | .. | .. |
| | .. | .... | Bokkapuram reserve addition No. II. | ·006 | .. | .. | .. |
| | .. | .... | Bokkapuram reserve addition No. III. | ·006 | .. | .. | .. |
| | | | Total .. | ·02 | 74 | .. | .. |
| Kollegal .. | 447 | .... | .... | .. | .. | .. | .. |
| Coimbatore, North. | 903 (c) +9 | 3246, Revenue, dated 6th Oct. 1910. | Ennamangalam .. .. .. | 16 (b)—6·757 | .. | .. | .. |
| | | | Total .. | 9·243 | .. | .. | .. |
| Coimbatore, Central. | 307 | 3727, Revenue, dated 24th Nov. 1910. | Chennimalai reserve addition. | ·02 | .. | .. | .. |
| | | | Total .. | ·02 | .. | .. | .. |
| Coimbatore, South. | 457 (d)—3 | .... | .... | .. | .. | .. | .. |
| Madura .. | 666 | .... | .... | .. | .. | .. | .. |
| Rámnád .. | 73 | 562, Revenue, dated 2nd March 1911. | Sappani Parambu extension .. | ·009 | 6 | 10 | .. |

NOTE.—No blocks are under settlement or
(a) Rectification due to adoption
(b) Excluded
(c) Correction of area
(d) Transferred to

incurred on, Forest Settlements during 1910–1911—*cont.*

| Areas undergoing settlement. | | | | | | |
|---|---|---|---|---|---|---|
| At commencement of the year. | | Taken in hand during the year. | | Expenditure incurred during the year on areas undergoing settlement. | | Estimate of areas in which settlement operations have not yet commenced. |
| Name of tract. | Area in square miles. | Name of tract. | Area in square miles. | In forest accounts. | In other accounts. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Circle. | | | | | | |
| | SQ. MLS. | | SQ. MLS. | RS. | | SQ. MLS. |
| Balpa extension .. .. | 2 | .... | .. | 273 | .. | 108 |
| .... | .. | .. | .. | .. | .. | .. |
| .... | .. | .... | .. | .. | .. | .. |
| .... | .. | .... | .. | .. | .. | .. |
| .... | .. | .... | .. | .. | .. | .. |
| Total .. | 2 | Total .. | .. | 273 | .. | 108 |
| Ladysmith addition .. .. | ·75 (b)—·01 | .... | .. | .. | .. | .. |
| Total .. | ·74 | .... | .. | .. | .. | .. |
| The Silent valley .. .. | 45 (a)—10 | .... | .. | .. | .. | .. |
| | | Snowdon reserve addition .. | ·05 | .. | .. | .. |
| | | Total .. | ·05 | .. | .. | .. |
| Madeswaranmalai and its extension. | 246 | .... | .. | .. | .. | .. |
| Mambetta .. .. .. | 12 | .. | .. | .. | .. | .. |
| Andipalayam Field No. 299 (portion in Doddasampagai reserve). | .. | .... | .. | .. | .. | .. |
| Total .. | 258 | Total .. | .. | .. | .. | .. |
| Gutialattur extension .. .. | ·387 | .... | .. | .. | .. | .. |
| Palamalai additions .. .. | ·03 | .... | .. | .. | .. | .. |
| Talamalai additions .. .. | ·006 | .. | .. | .. | .. | .. |
| Total .. | ·423 | Total .. | .. | .. | .. | .. |
| Attapadi block No. V .. Do. No. VI .. | 47 | Survey No. 469 B. of Vadamugam Vellodu in Vellodu tope reserve. | ·006 | .. | .. | .. |
| .... | .. | Modur Pethikuttai addition.. | ·19 | .. | .. | .. |
| Total .. | 47 | Total .. | ·196 | .. | .. | .. |
| .... | .. | .... | .. | .. | .. | .. |
| .... | .. | Survey No. 1704-B of Pannakad in Perumalmalai reserve. | .. | . | .. | . |
| Survey No. 1861 of Valaikulam and 2359 of Kollankondan in Srivilliputtúr ghat reserve. | ·043 | Additions to Srivilliputtúr ghat forests V-*a* in Pudupatti village. | ·077 | .. | .. | .. |
| Srivilliputtúr ghat forests V-*a* additions 1 to 4. | ·054 | Additions to Srivilliputtúr ghat forests V-*a* in Tirumalaperi village. | .. | .. | .. | .. |
| Valaikulamparambu extension. | ·054 | | | | | |

pending settlement in South Coimbatore.
of Survey of India figures.
at settlement
by recomputation
Trichinopoly district.

Statement showing the Progress made in, and the Expenditure

| Name of forest district. | Area already settled at commencement of year. | Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement. | Name of forest settled. | Area. | Expenditure incurred during the year on areas finally settled. In forest accounts. | In other accounts. | Entire cost per square mile of areas finally settled during the year. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| *Southern* | | | | | | | |
| | SQ. MLS. | | | SQ. MLS. | RS. | RS. | |
| Rámnád—*cont.* | .. | .... | ... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | | | Total .. | ·009 | 6 | 10 | .. |
| Tinnevelly | 364(*a*)–11 | G.O., No. 914, Rev., dated 29th Mar. 1911. | Naranapuram block .. .. | ·609 | .. | .. | .. |
| | .. | G.O., No. 2933, Rev., dated 5th Sept. 1910. | Mayanparambu estate block .. | ·170 | .. | .. | .. |
| | .. | G.O., No. 67, Rev., dated 9th Jan. 1911. | Milavittan addition .. .. | ·011<br>(*b*)+·001 | .. | .. | .. |
| | .. | G.O., No. 4141, Rev., dated 24th Dec. 1910. | Vallanad addition .. .. | ·019 | .. | .. | .. |
| | .. | .... | ... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | .. | .... | .... | .. | .. | .. | .. |
| | | | Total .. | ·810 | .. | .. | .. |
| Grand Total, Southern Circle .. | 4,850 | | | 13·88 | 80 | 10 | .. |

(*a*) Rectification due to adoption of Survey of India figures.
(*b*) Added at settlement.

incurred on, Forest Settlements during 1910-1911—*cont.*

| Areas undergoing settlement. | | | | | | |
|---|---|---|---|---|---|---|
| At commencement of the year. | | Taken in hand during the year. | | Expenditure incurred during the year on areas undergoing settlement. | | Estimate of areas in which settlement operations have not yet commenced. |
| Name of tract. | Area. | Name of tract. | Area. | In forest accounts. | In other accounts. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| *Circle*—cont. | | | | | | |
| | SQ. MLS. | | SQ. MLS. | RS. | | SQ. MLS. |
| Srívilliputtúr ghât forests V-*a*, additions 5, 6 and 7. Srívilliputtúr ghât forests V-*a* extension. | ·020 | Additions to Srívilliputtúr ghât forests V-*a* in Alagapuri village. | .. | .. | .. | .. |
| .... | ·054 | Additions to Srívilliputtúr ghât forests V-*a* in Valaikulam. | ·009 | .. | .. | .. |
| .... | .. | Additions to Srívilliputtúr ghât forests V-*a* in Khansapuram village. | ·060 | .. | .. | .. |
| .... | .. | Additions to Srívilliputtúr ghât forests V-*a* in Lakshmipuram village. | ·056 | .. | .. | .. |
| | ·225 | | ·202 | .. | .. | .. |
| Survey No. 365 of Marandai village, Kottamalai extension. | ·030 | Additions (1) and (2) to the Puliangudi, Chintamani and Vasudevanallur reserved forest lower slopes IV-*a* in Tirumalapuram village. | ·003 | 2,406 | .. | .. |
| Kottamalai addition in three bits. | ·190 | Additions (1) and (2) to the Puliangudi, Chintamani and Vasudevanallur reserved forest lower slopes IV-*a* in Naranapuram village. | ·011 | .. | .. | .. |
| Panjanthangi estate .. .. | ·113 | Additions (1) and (2) to the Puliangudi, Chintamani and Vasudevanallur reserved forest lower slopes IV-*a* in Melapuliangudi village. | ·014 | .. | .. | .. |
| Kaloli enclosure in Terku Viravanallur block. | ·014 | Additions (1) and (2) to the Puliangudi, Chintamani and Vasudevanallur reserved forest lower slopes IV-*a* in Vasudevanallur village. | ·029 | .. | .. | .. |
| Vadagarai Melpidagai block III (*b*), extensions A, B & C. | ·110 | Additions (1) and (2) to the Puliangudi, Chintamani and Vasudevanallur reserved forest lower slopes IV-*a* in Melachintamani village. | ·010 | .. | .. | .. |
| Additions to the reserved forest III (*c*) (2), Kadayanallur. | ·052 | Additions to Chinnakadu hill block No. 34. | ·001 | .. | .. | .. |
| .... | .. | Enclosures to the Pápanasam and Alwarkurichi reserved forests II and II-*b*. | ·296 | .. | .. | .. |
| .... | .. | Addition to enclosures to the Pápanasam and Alwarkurichi reserved forests II-*b* in Vikramasingapuram village. | ·003 | .. | .. | .. |
| .... | .. | Addition to Kalakad reserved forest I-*a* in Malayadiputtur. | ·010 | .. | .. | .. |
| .... | .. | Addition II to Kottamadaki reserved forest. | ·245 | .. | .. | .. |
| Total .. | ·509 | Total .. | ·622 | 2,406 | .. | .. |
| | 343·89 | | 1·07 | 2,679 | .. | 108 |

# ANNUAL FORM No. 67.

## *Forest Department, Madras Presidency.*

## RECORD of Demarcation and Maintenance of Boundaries for 1910–1911.

| District. | Length of boundaries artificially demarcated during the year. | Length of previously existing boundaries repaired. | Length of previously existing boundaries not repaired. | Total length of artificially marked boundaries at the close of the year. | Length of boundaries still to be demarcated at the close of the year. | Length of natural boundaries not requiring artificial marks. | Total length of boundaries at the close of the year. | Expenditure on demarcation during the year. On new work. | Expenditure on demarcation during the year. On repairs. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| *Northern Circle.* | MILES. | MILES. | MILES. | MILES. | MILES. | MILES. | MILES. | RS. | RS. |
| Ganjám ... ... ... ... ... ... | 83 | (a) 850 | 363 | 1,296 | ... | 80 | 1,376 | 2,774 | (f) 780<br>(e) −6 |
| Vizagapatam ... ... ... ... ... | 3 | (a) 495 | ... | 498 | ... | ... | 498 | 179 | 79 |
| Gódávari, Upper ... ... ... | ... | (a) 423 | ... | 423 | ... | 143 | 566 | ... | 2,473<br>(c) (e)+2,701 |
| Do. Lower ... ... ... | ... | 594 | 214 | 808 | 7 | 72 | 887 | ... | 665<br>(e)+1 |
| Kistna ... ... ... ... ... ... | (d) 40 | 4<br>(d) 9<br>(a) 487 | 70 | 610 | 5 | 41 | 656 | 448 | 156 |
| Kurnool, East ... ... ... ... | (h) 7 | (g) 387 | (g) 333 | 727 | ... | 54 | 781 | 265 | 199 |
| Do. South ... ... ... ... | .. | (g) 325 | (g) 204 | 529 | ... | 21 | 550 | ... | 131<br>(e) +19 |
| Do. West ... ... ... ... | 13 | (g) 759 | (g) 262 | 1,034 | 44 | 101 | 1,179 | 821 | 71<br>(e) + 6 |
| Bellary .. ... ... ... ... | ... | 160 | 1,628 | 1,788 | ... | ... | 1,788 | ... | 828 |
| Anantapur ... ... ... ... | 17 | 109 | 1,689 | (b) 1,815 | 2 | ... | 1,817 | 143 | 1,031<br>(e) −1 |
| Total ... | 163 | (a) 2,255<br>2,347 | 4,763 | 9,528 | 58 | 512 | 10,098 | 4,630 | 6,413<br>(e)+ 2,720 |
| *Central Circle.* | | | | | | | | | |
| Cuddapah, North ... ... ... ... | 24 | 30<br>(a) 714 | 634 | 1,402 | ... | 29 | 1,431 | 151 | (l) 283 |
| Do. East ... ... ... ... | 54 | 66<br>(a) 663 | 128 | 911 | ... | 46 | 957 | 224 | 461 |
| Nellore ... ... ... ... ... | ... | 19<br>(a) 2,060 | ... | 2,079 | ... | 84 | 2,163 | ... | (m) (e)648<br>—29 |
| Chingleput ... ... ... ... ... | ... | 90<br>(a) 417 | 417 | 924 | ... | ... | 924 | ... | (n) 2,165 |
| Arcot, North ... ... .. ... | (k) 65 | (i)(a)2,173 | 4 | 2,242 | ... | 29 | 2,271 | 124 | 506<br>(e)— 293 |
| Chittoor ... ... ... ... ... | 5 | (i)(a)1,725 | ... | 1,730 | ... | 18 | 1,748 | 39 | (e) + 26 |
| Arcot, South ... ... ... ... | ... | (i))a)1,172 | 618 | 1,790 | ... | ... | 1,790 | ... | 353<br>(e) + 390 |
| Salem, North ... ... ... .. | 18 | (i)(a)1,268 | 31 | 1,317 | 12 | 40 | 1,369 | 135 | 36<br>(e) + 272 |
| Do. South ... ... ... ... | ... | (i) 333<br>(a)671 | 139 | 1,143 | ... | 5 | 1,148 | ... | 485<br>(e)— 222 |
| Trichinopoly ... ... ... ... | ... | 491<br>(a) 426 | 67 | 984 | 17 | 24 | 1,025 | 106 | 525 |
| Guntúr ... ... ... ... ... | ... | 3 | 1,389 | 1.392 | ... | ... | 1,392 | ... | 37 |
| Total ... | 166 | 1,032<br>(a) 11,289 | 3,427 | 15,914 | 29 | 275 | 16,218 | 779 | 5,643 |
| *Southern Circle.* | | | | | | | | | |
| Canara, South ... .. ... ... | 76 | 42<br>(a) 3,091 | 439 | 3,648 | 102 | 124 | 3,874 | 2,270 | 102 |
| Malabar, North ... ... ... ... | 27 | (a) 241 | 848 | 1,116 | 72 | 36 | 1,224 | 2,298 | ... |
| Do. South (o) ... ... ... | 8 | 62 | 35 | 1·5 | 6 | 55 | 166 | 658 | ... |
| The Nilgiris ... ... ... ... | ... | ... | 1,614 | 1,614 | ... | 299 | 1,913 | ... | 190 |
| Kollegal ... ... ... ... ... | 2 | 3<br>(a) 60 | 300 | 365 | 7 | 67 | 439 | 267 | 278<br>(q) 20 |
| Coimbatore, North ... ... ... | ... | 11<br>(o)(a)541 | ... | (o) 552 | 19 | 110 | 681 | ... | 249<br>(r) 36 |
| Do. Central (o)... ... ... | 5 | 12<br>(a) 435 | 122 | 574 | ... | 43 | 617 | 1 | 170<br>(q) 263 |
| Do. South ... ... ... | .. | .. | (p) 214 | (p) 214 | ... | 52 | 266 | ... | (q) 104 |
| Madura ... ... ... ... | 90 | 29<br>(a) 766 | 156 | 1,041 | 513 | 178 | 1,732 | 5,008 | 385<br>(q) 426<br>(s) —2<br>(e) +55 |
| Ramnad ... ... ... ... ... | ... | ... | 100 | 100 | ... | ... | 100 | ... | 8 |
| Tinnevelly ... ... ... ... | 12 | 9 | 350 | 371 | 3 | 14 | 388 | 253 | 89<br>(q) 92<br>(t) —200<br>(e) — 3 |
| Total ... | 220 | 168<br>(a)5,134 | 4,178 | 9,700 | 722 | 978 | 11,400 | 10,845 | 2,262 |
| Grand total, Presidency ... | 549 | 3,547<br>(a)18,678 | 12,368 | 35,142 | 809 | 1,765 | 37,716 | 16,254 | 17,038 |

(a) Cleared by Forest subordinates free of cost.
(b) The difference between the total of columns 3 and 4 of the current year and column 5 of last year is due to the addition of 419 miles of Kadiri Range during the year.
(c) Of this Rs. 2,701 relates to Upper Gódávari for which the District Forest Officer is not able to explain.
(d) Coupe and compartment lines.
(e) Added or deducted to correspond Accountant-General's audited figures.
(f) This is expenditure on preliminary demarcation.
(g) The total of these figures is less than those in column 5 of Kurnool, East and West in last year's return by 243. The District Forest Officer, Kurnool, South, reports his inability to reconcile his figures during the current year.
(h) This represents Range and not Reserve boundary.
(i) Difference between total of columns 3 and 4 of this year and column 5 of the previous year was due to territorial changes.
(k) Demarcation of Mangalam extension reserve cutting of bamboo block and coupe lines.
(l) 24 miles and 8 chains of coupe lines newly cut during the year.
(m) Represents costs of reclearing lines and repairing boundary marks.
(n) Includes Rs. 1,940, pay and famine batta of watchers and the balance represents cost of demarcation stones, cutting coupe and conservancy lines and rectification of boundary, etc.
(o) As per revised figures furnished by the Collector.
(p) Excludes thirteen miles transferred to Trichinopoly district and one mile made up of fractions.
(q) Cost of cutting and clearing coupe lines.
(r) Cost of demarcation of enclosures, etc.
(s) Cash recovery ordered.
(t) Cost of demarcation of the Kattalamalai estate recovered.

## Annual Form No. 68.

### *Forest Department, Madras Presidency.*

**Statement** of Forest Areas surveyed and under survey during the year 1910–1911.

| District. | Areas surveyed and under survey during the year 1910–1911. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Special Surveys—Maps on 2-inch scale or over by Survey of India Department or Madras Survey. | | | | | | | | Ordinary, included in topographical programme of the Survey of India or in District Surveys. | | | | | | | |
| | With interior details. | | | | | Boundary surveys. | | | With interior details. | | | | | Boundary surveys. | | |
| | With details of growing stock. | | Without details of growing stock. | | | | | | With details of growing stock. | | Without details of growing stock. | | | | | |
| | Previous. | Of year. | Previous. | Of year. | Total cost. | Previous. | Of year. | Total cost. | Previous. | Of year. | Previous. | Of year. | Total cost. | Previous. | Of year. | Total cost. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| *Northern Circle.* | S. M. | S. M. | S. M. | S. M. | RS. | S. M. | S. M. | RS. | S. M. | S. M. | S. M. | S. M. | RS. | S. M. | S. M. | RS. |
| Direction .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Ganjám .. .. .. | .. | .. | (a) 794 | .. | .. | 447 | .. | (d)11,081 | .. | .. | .. | .. | .. | .. | .. | .. |
| Vizagapatam .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Gódávari, Upper . .. | .. | .. | } (c) 716 | | | | | | | | | | | | | |
| Do. Lower .. .. | .. | .. | | .. | .. | 252 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Kistna .. .. .. | .. | .. | 88 | .. | .. | 27 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Kurnool, East .. . | .. | .. | } | | | | | | | | | | | | | |
| Do. South .. .. | .. | .. | 2,725 | .. | .. | 937 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. West .. .. | .. | .. | | | | | | | | | | | | | | |
| Bellary .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | (e)690 | .. | .. | .. | .. | .. |
| Anantapur .. .. | .. | .. | (b) 215 | .. | .. | .. | .. | .. | .. | .. | 188 | .. | .. | .. | .. | .. |
| Total .. | .. | .. | 4,538 | .. | .. | 1,663 | .. | 11,081 | .. | .. | 878 | .. | .. | .. | .. | .. |
| *Central Circle.* | | | | | | | | | | | | | | | | |
| North Cuddapah .. | .. | .. | 577 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| East do. .. | .. | .. | 1,083 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Nellore .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Chingleput .. .. | .. | .. | 40 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| North Arcot .. .. | .. | .. | 1,244 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Chittoor .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| South Arcot .. .. | .. | .. | 217 | .. | 8,829 | 82 | .. | .. | .. | .. | 441 | .. | .. | .. | .. | .. |
| North Salem .. .. | .. | .. | 793 | .. | (f)24,366 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| South do. .. .. | .. | .. | 541 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 40 | .. | .. |
| Trichinopoly .. .. | .. | .. | 66 | .. | 25,000 | 124 | .. | 246 | .. | . | .. | .. | .. | 280 | .. | .. |
| Guntúr .. .. | 67 | .. | .. | .. | .. | .. | .. | .. | .. | . | .. | .. | .. | .. | .. | .. |
| Total .. | 67 | .. | 4,561 | .. | 58,195 | 206 | .. | 246 | .. | . | 441 | .. | .. | 320 | .. | .. |
| | *Reserved forests and reserved lands.* | | | | | | | | | | | | | | | |
| *Southern Circle.* | | | | | | | | | | | | | | | | |
| South Canara * .. .. | .. | .. | 718 | .. | .. | 592 and 25 linear miles. | .. | 7,390 | .. | .. | .. | .. | .. | .. | .. | .. |
| Malabar, North .. .. | .. | .. | 155 | .. | .. | 158 and 3 linear miles. | .. | 7,390 | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. South * .. .. | 1 | .. | { 108 (g) 55 } | .. | .. | 130 | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. |
| The Nilgiris .. .. | .. | .. | 502 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Kollegal * .. .. .. | .. | .. | { 446 (g) 246 } | .. | .. | 319 | .. | 7,574 | .. | .. | .. | .. | .. | .. | .. | .. |
| Coimbatore, North * .. | .. | .. | 895 | .. | .. | .. | .. | .. | .. | .. | (i) 26 | .. | .. | .. | .. | .. |
| Do. Central * .. | .. | .. | { 291 (g) 48 } | .. | .. | 7 | .. | .. | .. | .. | (i) 16 | .. | .. | .. | .. | .. |
| Do. South * .. | .. | .. | (h) 447 | .. | .. | .. | .. | .. | .. | .. | (i) 7 | .. | .. | .. | .. | .. |
| Madura .. .. .. | .. | .. | 618 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Rámnád * .. .. .. | .. | .. | 71 | .. | .. | .. | .. | .. | .. | .. | (i) 2 | .. | .. | .. | .. | .. |
| Tinnevelly * .. .. | .. | .. | 354 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Total .. | 1 | | 4,605 (g) 349 | .. | .. | 1,206 and 28 linear miles. | .. | 22,354 | .. | .. | 53 | .. | .. | .. | .. | .. |
| Grand Total, Presidency. | 68 | .. | 14,053 | .. | 58,195 | 3,075 and 28 linear miles. | .. | 33,681 | | .. | 1,372 | .. | . | 320 | .. | .. |

* Figures for column 4 have been redistributed adopting the area entered on the maps prepared by Survey of India.
(a) Furnished by the India Survey Party and includes enclosures inside reserves.
(b) Includes 47 square miles of Kadiri Range transferred from Central Circle.
(c) Correspondence is pending with India Survey Party regarding the accuracy of the figure.
(d) This amount is for Ganjám, Gódávari (Upper and Lower), Kistna and Kurnool (East, South and West) districts.
(e) Includes reserved lands and leased forests.
(f) Revised figure entered in the district return.
(g) Reserved lands.
(h) One hundred and thirty square miles resurveyed on 2-inch scale during 1909–1910.

## Statement of Forest Areas surveyed and under survey during the year 1910-1911—*cont.*

| District. | Areas surveyed and under survey during the year 1910-1911—*cont.* Chain and compass or other surveys by local officers. With interior details. 4-inch or over. Previous. | With interior details. 4-inch or over. Of year. | With interior details. Under 4-inch. Previous. | With interior details. Under 4-inch. Of year. | With interior details. Total cost. | Boundary surveys. Previous. | Boundary surveys. Of year. | Boundary surveys. Total cost. | Areas remaining to be taken under survey. | Total forest area at end of year, as per Form No. 65. | Cost. Previous. | Cost. Of year. | Cost. Entire cost of all surveys to end of the year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| *Northern Circle.* | S. M. | S. M. | S. M. | S. M. | RS. | S. M. | S. M. | RS. | S. M. | S. M. | RS. | RS. | RS. |
| Direction .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 872 | 446 | 1,318 |
| Ganjám .. .. | 53 | .. | .. | .. | .. | 1,485 | 135 | 72 | .. | 599 | 18,419 | (b) 1,347 | 19,766 |
| Vizagapatam .. .. | 298 | .. | .. | .. | .. | .. | .. | .. | 14 | 312 | 2,207 | .. | 2,207 |
| Gódávari, Upper .. | .. | .. | .. | .. | .. | .. | 20 villages. | .. | (a) .. | 968 | 3,702 | (g) 2,936 | 6,638 |
| Do. Lower .. | 1 | .. | 26 | .. | 6 | 540 | .. | 796 | 376 | 482 | 11,723 | (b) 360 | 12,083 |
| Kistna .. .. | 16 | .. | .. | .. | 5 | 374 | | 203 | 193 | 297 | 4,667 | (b) 882 | 5,549 |
| Kurnool, East .. | | | | | | 92 | .. | .. | | 1,003 | | 494 | |
| Do. South .. | 51 | .. | .. | .. | 215 | 143 | .. | .. | 143 | 774 | 8,094 | 1,338 | 10,990 |
| Do. West .. | | | | | | 4 | 1 | 97 | 260 | 858 | | (d) — 1<br>(b) 1,065 | |
| Bellary .. .. .. | .. | .. | .. | .. | .. | | .. | .. | .. | 690 | 4,808 | (b) 769 | 5,577 |
| Anantapur .. .. | 173 | .. | .. | .. | .. | 26 | 14 | 1,775 | 77 | 830 | 3,859 | 759<br>(d) — 2 | 4,616 |
| Total .. | (n)592 | .. | 26 | .. | 226 | 2,664 | 150 and 20 villages. | 2,943 | 1,063 | 6,813 | 58,351 | 10,393 | 68,744 |
| *Central Circle.* | | | | | | | | | | | | | |
| North Cuddapah .. .. | .. | .. | .. | .. | .. | .. | .. | .. | 158 | 735 | (e)1,10,905 | (g) +398 | 1,11,330 |
| East do. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1,083 | | | |
| Nellore .. .. .. | .. | .. | .. | .. | .. | .. | 1 | 43 | .. | 737 | 3,772 | 43<br>(g) +806 | 4,621 |
| Chingleput.. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 213 | 3,130 | (c) 370<br>(g) + 2 | 3,502 |
| North Arcot .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1,245 | 19,762 | 372<br>(g) + 7 | 20,141 |
| Chittoor .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 840 | .. | .. | .. |
| South Arcot .. .. | 6 | | .. | .. | 52 | .. | .. | .. | .. | 346 | 11,209 | (c) 476 | 11,685 |
| North Salem .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 838 | 28,417 | (g) + 1,459 | 29,876 |
| South do. .. .. | 33 | 5 | .. | .. | 317 | 398 | .. | 149 | 6 | 587 | 26,782 | 1,012 | 27,794 |
| Trichinopoly.. .. .. | 22 | 5 | .. | .. | 1,264 | 132 | .. | 260 | 126 | 360 | 33,533 | 1,264<br>(g) — 21 | 34,776 |
| Guntúr .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 814 | (f) 15,506 | (c) 375 | 15,881 |
| Total .. | 61 | 10 | .. | .. | 1,633 | 530 | 1 | 552 | 290 | 7,798 | 2,53,016<br>(h) + 863 | 6,563<br>(h) +884 | 2,59,579<br>(h)+1,747 |
| *Reserved forests and reserved lands.* | | | | | | | | | | | | | |
| *Southern Circle.* | | | | | | | | | | | | | |
| South Canara * .. .. | .. | .. | .. | .. | .. | 906 | .. | .. | 73 | 795<br>(i)110 | 57,976 | 366 | 58,342 |
| Malabar, North .. .. | .. | .. | .. | .. | .. | .. | .. | .. | 106<br>1 | 261<br>(i) 1 | 13,141 | 572 | 13,713 |
| Do. South * .. .. | .. | .. | .. | .. | .. | 183 | .. | .. | .. | 108<br>(i) 55 | 2,010 | 466 | 2,476 |
| The Nilgiris .. .. | .. | .. | .. | .. | .. | .. | .. | .. | (j)58 | 478<br>(i) 82 | 3,016 | 490 | 3,506 |
| Kollegal * .. .. | .. | .. | .. | .. | .. | .. | .. | .. | 1<br>12 | 447<br>(i)258 | 96,028 | 456 | 97,332 |
| Coimbatore, North * .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 921 | | 848 | |
| Do. Central * .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 307<br>(i) 48 | 11,140 | 571 | 12,351 |
| Do. South * .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 454 | | 640 | |
| Madura .. .. | .. | .. | .. | .. | .. | 48 | .. | .. | .. | 666 | 4,382 | 1,137 | 5,519 |
| Rámnád * .. .. .. | .. | .. | .. | .. | .. | . | .. | .. | .. | 73 | | .. | |
| Tinnevelly * .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 354<br>(i) 1 | 3,121 | 330 | 3,451 |
| Total .. | .. | .. | .. | .. | .. | 1,137 | .. | .. | 251 | 5,419 | 1,90,814<br>(k) + 69<br>(m)+12476 | (l) 5,876 | 1,96,690<br>(k) +69<br>(m)<br>+ 12,467 |
| Grand Total Presidency .. | 653 | 10 | 26 | .. | 1,859 | 4,331 | 151 | 3,495 | 1,604 | 20,030 | 503,044<br>+ (k) 69<br>+(m)12,476 | 23,716 | 5,26,760<br>(k) + 69<br>(m)<br>+12,476 |

* Figures for column 4 have been redistributed adopting the area entered on the maps prepared by Survey of India.
(a) Information not furnished by the Collector.
(b) Includes establishment charges.
(c) Pay of draughtsmen.
(d) Adjusted as per Accountant-General's figures.
(e) Separate figures are not available and includes figures of Kadiri range transferred to Northern Circle.
(f) Revised figure entered in the district return.
(g) Added or deducted as per Accountant-General's figures.
(h) Direction charges.
(i) Reserved lands.
(j) Reserves of less than one square mile in extent.
(k) Charges included under direction in 1906-1907.
(l) Expenditure under A. VIII (a) as per Accountant-General's [illegible]

# Annual Form No. 69.

*Forest Department, Madras Presidency.*

Progress made in working-plans during 1910–1911.

| District. | Areas for which working-plans have been compiled and approved by the Board. | | Areas for which working-plans are being compiled or have been compiled but not sanctioned. | | Areas for which working-plans have still to be taken in hand. | Total forest area as in Form No. 65. | Entire cost per square mile of working-plans completed. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | At commencement of year. | During year. | At commencement of year. | Taken in hand during year. | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Northern Circle.* | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | RS. | |
| Ganjam .. .. | 451 | .. | .. | .. | 148 | 599 | .. | |
| Vizagapatam .. | 145 | * .. | 6 | 15 | 146 | 312 | .. | |
| Gódávari, Upper .. | .. | .. | 225 | .. | 743 | 968 | .. | |
| Do. Lower .. | 240 | .. | 55 | .. | 187 | 482 | 394 | |
| Kistna .. .. | 58 | .. | 93 | 65 | 81 | 297 | .. | |
| Kurnool, East .. | .. | .. | .. | .. | 1,003 | 1,003 | .. | |
| Do. South .. | 114 | .. | 1 | .. | 659 | 774 | .. | |
| Do. West . | 427 | .. | | .. | 431 | 858 | .. | |
| Bellary .. .. | 147 | 112 | 105 | .. | *326 | 690 | .. | These are the correct figures, those given last year being incorrect. |
| Anantapur .. | 436 | .. | .. | .. | 394 | 830 | .. | |
| Total .. | 2,018 | 112 | 485 | 80 | 4,118 | 6,813 | 394 | |
| *Central Circle.* | | | | | | | | |
| Cuddapah, North .. | 158 | .. | 272 | .. | 304 | 734 | 478 | Pay of draftsman |
| Do. East .. | 337 | .. | .. | 40 | 706 | 1,083 | (b) + 42 | |
| Nellore .. .. | 114 | .. | 587 | .. | 36 | 737 | (b) +225 | |
| Chingleput .. | 213 | .. | .. | .. | .. | 213 | .. | |
| Arcot, North .. | (d)1,244† | .. | .. | .. | .. | 1,244 | (b) + 18 | |
| Chittoor .. .. | 527 | .. | .. | .. | ‡ 313 | 840 | .. | |
| Arcot, South .. | § 132 | .. | 165 | 16 | 33 | 346 | 143 | |
| Salem, North .. | (a) 161 | .. | 677 | .. | .. | 838 | (b) + 35 | |
| Do. South .. | (e) 453 | . | . | .. | 134 | (e) 587 | .. | |
| Trichinopoly .. | 190 | .. | 15 | 39 | 116 | 360 | .. | |
| Guntúr .. .. | 41 | .. | .. | .. | 773 | 814 | .. | |
| Total .. | 3,570 | .. | 1,716 | 95 | (h) 2,415 | 7,796 (c) + 2 | 941 | |
| *Reserved forests.* | | | | | | | | |
| *Southern Circle.* | | | | | | | | |
| South Canara | 662 (f)–73 | .. | .. | 2 | 204 | 795 | .. | |
| Malabar, North .. | 178 | .. | .. | 7 | 76 | 261 | .. | |
| Do. South .. | 7 | .. | .. | .. | 97 | 104 | .. | |
| The Nilgiris | 113 (f) –4 (g) –6 | .. | .. | .. | 375 | 478 | .. | |
| Kollegal .. .. | 43 | .. | .. | .. | 404 | 447 | .. | |
| Coimbatore, North | 289 | .. | .. | .. | 632 | 921 | .. | |
| Do. Central | 220 | .. | .. | .. | 87 | 307 | .. | |
| Do. South | 67 | 8 | .. | .. | 352 | 427 | .. | |
| Madura .. .. | 356 | .. | .. | .. | 310 | 666 | .. | |
| Rámnád .. .. | 71 | .. | .. | .. | 2 | 73 | .. | |
| Tinnevelly .. .. | 169 | .. | 5 | | 180 | 354 | .. | |
| Total .. | 2,092 | 8 | 5 | 9 | 2,719 | 4,833 | .. | |

* Senivaram working-plan being under revision is not entered.
† Six square miles have been disafforested.
‡ Of this 311 sq. miles represent area of Vayalpad range transferred to the district.
§ Excludes 321 sq. miles of Tiruvannámalai range, transferred to North Arcot.

(a) Out of 299 sq. miles for which areas working plans were completed, 166 sq. miles were transferred to North Arcot and 28 sq. miles were added from South Salem.
(b) Added as per Accountant-General's audited figures.
(c) Area of unreserved lands, and padugais in Trichinopoly.
(d) Correct figure furnished by the Collector after the alterations made on account of bifurcation of districts.
(e) Difference due to correct computation of areas of certain reserves.
(f) Rectification of area due to adoption of Survey of India figures.
(g) Deducted as no regular working-plan exists for the bluegum plantations.
(h) Corrected in the Board's office.

Progress made in working-plans during 1910-1911—*cont.*

| District. | Areas for which working-plans have been completed and approved by the Board: At commencement of year. | Areas for which working-plans have been completed and approved by the Board: During year. | Areas for which working-plans are being compiled or have been compiled but not sanctioned: At commencement of year. | Areas for which working-plans are being compiled or have been compiled but not sanctioned: Taken in hand during year. | Areas for which working-plans have still to be taken in hand. | Total forest area as in Form No. 65. | Entire cost per square mile of working-plans completed. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | *Reserved lands.* | | | | |
| *Southern Circle*—cont. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | RS. | |
| South Canara .. .. | .. | .. | .. | .. | 110 | 110 | .. | |
| Malabar, North .. .. | .. | .. | .. | .. | 1 | 1 | .. | |
| Do. South .. .. | .. | .. | .. | .. | 35 | 35 | .. | |
| The Nilgiris .. .. | .. | .. | .. | .. | 6 | 6 | .. | |
| Kollegal .. .. .. | 10 | .. | .. | .. | 248 | 258 | .. | |
| Coimbatore, North .. | .. | .. | .. | .. | (*a*) | (*a*) | .. | |
| Do. Central .. | .. | .. | .. | .. | 48 | 48 | .. | |
| Rámnád .. .. .. | .. | .. | .. | .. | (*a*) | (*a*) | .. | |
| Tinnevelly.. .. .. | .. | .. | .. | .. | 1 | 1 | .. | |
| Total .. | 10 | .. | .. | .. | 449 | 459 | .. | |
| | | | | *Leased forests.* | | | | |
| Malabar, South .. | 23 (*b*) + 1 | .. | .. | .. | .. | 24 | .. | |
| The Nilgiris .. .. | 76 | .. | .. | .. | .. | 76 | .. | |
| Coimbatore, South .. | .. | .. | .. | .. | 27 | 27 | .. | |
| Total .. | 100 | .. | .. | .. | 27 | 127 | .. | |
| Total (Southern Circle) .. | 2,202 | 8 | 5 | 9 | 3,195 | 5,419 | (*d*) 297 | |
| Grand total, Presidency. | 7,790 | 120 | 2,206 | 184 | 9,728 | 20,028 + (*c*) 2 | 1,632 | |

(*a*) Less than one square mile.
(*b*) Rectification of area due to adoption of Survey of India figures.
(*c*) Area of unreserved lands and padugais in the Trichinopoly district.
(*d*) Amount spent under budget head A-VIII (*d*) in the Southern Circle as per Form No. 80.

ANNUAL FORM No. 70.

*Forest Department, Madras Presidency.*

COMMUNICATIONS and Buildings.

ANNUAL

*Forest Department,*

COMMUNICATIONS

| District. | New work undertaken during the year. | | | | | |
|---|---|---|---|---|---|---|
| | Buildings. | | Roads and paths. | | | Total expenditure on new work. |
| | Description of building. | Expenditure incurred. | Road or path and object of the same. | Length of road or path. | Expenditure incurred. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| *Northern* | | | | | | |
| | | RS. | | MLS. | RS. | RS. |
| Direction .. | Houses for subordinate establishment .. .. .. | 5,364 | Cart-roads .. .. .. .. | .. | 2,939 | .. |
| | | | Ghât roads .. .. .. | .. | 12 | .. |
| | | | Dam .. .. .. .. | .. | 797 | .. |
| | | | | .. | 3,748 | .. |
| | | | Add pay of establishment .. | .. | 1,355 | .. |
| | Total, Direction .. | 5,364 | | .. | 5,103 | 10,467 |
| Ganjám .. | Rest-houses .. .. .. .. | 521 | Cart-roads .. .. .. .. | 12½ | 4,421 | .. |
| | Houses for subordinate establishment .. .. .. | 3,162 | Bridge .. .. .. .. | .. | 131 | .. |
| | Others .. .. .. .. | 2,268 | | 12½ | 4,552 | 10,963 |
| | | | Add pay of establishment .. | .. | 460 | .. |
| | Total, Ganjám .. | 5,951 | | 12½ | 5,012 | 10,963 |
| Vizagapatam. | Rest-houses .. .. .. .. | 459 | .... | .. | .. | 539 |
| | Others .. .. .. .. | 80 | | | | |
| | Total, Vizagapatam .. | 539 | | .. | .. | 539 |
| Gódávari, Upper. | Rest-houses .. .. .. .. | 2,639 | Cart-roads .. .. .. .. | 59½ | 976 | 4,318 |
| | Houses for subordinate establishment .. .. .. | 145 | A-VII (*c*) .. .. .. .. | .. | .. | 179 |
| | Others .. .. .. .. | 558 | | | | |
| | Total, Gódávari, Upper .. | 3,342 | | 59½ | 976 | 4,497 |
| Gódávari, Lower. | Rest-houses .. .. .. .. | 1,167 | Cart-roads .. .. .. .. | 2 | 1,100 | 2,920 |
| | Houses for subordinate establishment .. .. .. | 633 | A-VII (*c*) .. .. .. .. | .. | .. | 337 |
| | Others .. .. .. .. | 20 | | | | |
| | Total, Gódávari, Lower .. | 1,820 | | 2 | 1,100 | 3,257 |

FORM No. 70.

*Madras Presidency.*

and Buildings.

| Repairs executed during the year. | | | | | |
|---|---|---|---|---|---|
| Buildings. | | Roads and paths. | | | Total expended on repairs. |
| Nature of repairs. | Expenditure incurred. | Nature of repairs. | Length repaired. | Expenditure incurred. | |
| 8 | 9 | 10 | 11 | 12 | 13 |
| *Circle.* | | | | | |
| | RS. | | MLS. | RS. | RS. |
| Rest-houses .. .. .. .. | 94 | .... | .. | .. | 156 |
| Add as per Accountant-General's audited figure .. .. .. .. .. | 62 | | .. | .. | .. |
| | 156 | | .. | .. | 156 |
| Rest-houses .. .. .. | 1,734 | Cart-roads .. .. . .. .. | $16\frac{1}{4}$ | 160 | 4,327 |
| Houses for subordinate establishment .. .. .. .. .. | 216 | Ghât-roads .. .. .. .. .. | 2 | 19 | .. |
| Others .. .. .. .. .. | 643 | Others .. .. .. .. .. | $\frac{1}{4}$ | 5 | .. |
| | | | $18\frac{1}{2}$ | 184 | 4,327 |
| | 2,593 | Add as per Accountant-General's audited figures .. .. .. .. .. | .. | 13 | .. |
| Add pay of establishment .. .. | 1,546 | | | | |
| | 4,139 | | $18\frac{1}{2}$ | 197 | 4,327 |
| Deduct as per Accountant-General's audited figure .. .. .. .. | 9 | Add A-VII (c) .. .. .. .. | .. | .. | 518 |
| | 4,130 | | $18\frac{1}{2}$ | 197 | 4,845 |
| Rest-houses .. .. .. .. | 495 | Cart-roads .. .. .. .. .. | $24\frac{1}{4}$ | 422 | 1,903 |
| Houses for subordinate establishment .. .. .. .. .. | 57 | Bridle-paths .. .. .. .. | $2\frac{1}{2}$ | 61 | .. |
| Others .. .. .. .. .. | 302 | | $26\frac{3}{4}$ | 483 | 1,903 |
| | 854 | Deduct as per Accountant-General's audited figure. .. .. .. .. | .. | 1 | .. |
| Add pay of establishment .. .. | 567 | | $26\frac{3}{4}$ | 482 | 1,903 |
| | | Add A-VII (c) .. .. .. .. | .. | .. | 71 |
| | 1,421 | | $26\frac{3}{4}$ | 482 | 1,974 |
| Rest-houses .. .. .. .. | 671 | .... | . | .. | 2,793 |
| Houses for subordinate establishment .. .. .. .. .. | 243 | .... | .. | .. | .. |
| Others .. .. .. .. .. | 404 | Add A-VII (c) .. .. .. .. | .. | .. | 121 |
| | 1,318 | | | | |
| Add pay of establishment .. .. | 1,478 | | | | |
| | 2,796 | | | | |
| Deduct as per Accountant-General's audited figure .. .. .. .. | 3 | | | | |
| | 2,793 | | .. | .. | 2,914 |
| Rest-houses .. .. .. .. | 298 | Cart-roads .. .. .. .. .. | $60\frac{3}{8}$ | 2,599 | 4,679 |
| Houses for subordinate establishment .. .. .. .. .. | 155 | | $60\frac{3}{8}$ | 2,599 | 4,679 |
| Others .. .. .. .. .. | 688 | | | | |
| | 1,141 | | | | |
| Add pay of establishment .. .. | 935 | Add A-VII (c) .. .. .. .. | .. | .. | 94 |
| | 2,076 | | | | |
| Add as per Accountant-General's audited figure .. .. .. .. .. | 4 | | | | |
| | 2,080 | | $60\frac{3}{8}$ | 2,599 | 4,773 |

Communications

| District. | New work undertaken during the year. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Buildings. | | Roads and paths. | | | Total expenditure on new work. |
| | Description of building. | Expenditure incurred. | Road or path and object of the same. | Length of road or path. | Expenditure incurred. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | *Northern* |
| | | RS. | | MLS. | RS. | RS. |
| Kistna .. | Rest houses .. .. .. | 249 | Cart-roads .. .. .. .. | 4¼ | 1,483 | 1,958 |
| | Houses for subordinate establishment .. .. .. | 202 | | | | |
| | Others .. .. .. .. | 24 | | | | |
| | Total, Kistna .. | 475 | | 4¼ | 1,483 | 1,958 |
| Kurnool, East. | Rest-houses .. .. .. | 972 | Others .. .. .. .. | .. | 42 | 2,229 |
| | Houses for subordinate establishment .. .. .. | 876 | | .. | 42 | 2,229 |
| | Others .. .. .. .. | 339 | A-VII (*c*) .. .. .. .. | .. | .. | 690 |
| | Total, Kurnool, East .. | 2,187 | | .. | 42 | 2,919 |
| Kurnool, South. | Rest-houses .. .. .. | 300 | Cart-roads .. .. .. | 18 | 3,828 | 12,355 |
| | Houses for subordinate establishment .. .. .. | 4,916 | | | | |
| | Others .. .. .. .. | 3,311 | | | | |
| | Total, Kurnool, South .. | 8,527 | | 18 | 3,828 | 12,355 |
| Kurnool, West. | Rest-houses .. .. .. | 3,651 | Cart-roads .. .. .. | 15 | 345 | 9,494 |
| | Houses for subordinate establishment .. .. .. | 4,414 | Add pay of establishment .. | .. | 337 | .. |
| | Others .. .. .. .. | 308 | | | | |
| | | 8,373 | | | | |
| | Add pay of establishment .. | 439 | | | | |
| | Total, Kurnool, West .. | 8,812 | | 15 | 682 | 9,494 |
| Bellary .. | Rest-houses .. .. .. | 5,323 | Cart-roads .. .. .. | 7⅞ | 49 | 7,024 |
| | Houses for subordinate establishment .. .. .. | 858 | Bridle-paths .. .. .. | 6⅝ | 377 | .. |
| | Others .. .. .. .. | 417 | | | | |
| | Total, Bellary .. | 6,598 | | 14½ | 426 | 7,024 |
| Anantapur .. | Rest-houses .. .. .. | 3,699 | | .. | .. | 6 579 |
| | Others .. .. .. .. | 1,887 | A-VII (*c*) .. .. .. .. | .. | .. | 1,699 |
| | | 5,586 | | | | |
| | Add pay of establishment .. | 993 | | | | |
| | Total, Anantapur .. | 6,579 | | .. | .. | 8,278 |

and Buildings—*cont.*

| Repairs executed during the year. | | | | | |
|---|---|---|---|---|---|
| Buildings. | | Roads and paths. | | | Total expended on repairs. |
| Nature of repairs. | Expenditure incurred. | Nature of repairs. | Length repaired. | Expenditure incurred. | |
| 8 | 9 | 10 | 11 | 12 | 13 |
| *Circle*—cont. | | | | | |
| | RS. | | MLS. | RS. | RS. |
| Rest-houses .. .. .. .. .. | 20 | Cart-roads .. .. .. .. .. .. | 15 | 349 | 1,164 |
| Houses for subordinate establishment .. .. .. .. .. | 167 | Bridle-paths .. .. .. .. | 1 | 50 | .. |
| Others .. .. .. .. .. | 289 | | 16 | 399 | 1,164 |
| | 476 | A-VII (*c*) .. .. .. .. .. | .. | .. | 845 |
| Add pay of establishment .. .. | 289 | | | | |
| | 765 | | 16 | 399 | 2,009 |
| Rest-houses .. .. .. .. | 727 | Cart-roads .. .. .. .. .. .. | .. | 873 | 3,742 |
| Others .. .. .. .. .. | 18 | Ghât-roads .. .. .. .. .. .. | .. | 1,983 | .. |
| | | Others .. .. .. .. .. | .. | 20 | .. |
| | 745 | | | | |
| Add pay of establishment .. .. | 163 | | .. | 2,877 | 3,742 |
| | | Deduct as per Accountant-General's audited figure .. .. .. .. | .. | 43 | .. |
| | | | .. | 2,834 | 3,742 |
| | | Add A-VII (*c*) .. .. .. .. | .. | .. | 72 |
| | 908 | | .. | 2,834 | 3,814 |
| Rest-houses .. .. .. .. | 1,453 | Cart-roads .. .. .. .. .. .. | 12 | 157 | 7,144 |
| Others .. .. .. .. .. | 1,096 | Ghât-roads .. .. .. .. | 5 | 3,893 | .. |
| | 2,549 | | 17 | 4,050 | 7,144 |
| Add pay of establishment .. .. | 545 | Deduct as per Accountant-General's audited figure .. .. .. .. | .. | 21 | .. |
| | 3,094 | | 17 | 4,029 | 7,144 |
| Add as per Accountant-General's audited figure .. .. .. .. | 21 | Add A-VII (*c*) .. .. .. .. | .. | .. | 524 |
| | 3,115 | | 17 | 4,029 | 7,668 |
| Rest-houses .. .. .. .. | 1,256 | Cart-roads .. .. .. .. .. .. | 27 | 1,127 | 2,537 |
| Houses for subordinate establishment .. .. .. .. .. | 23 | Add A-VII (*c*) .. .. .. .. | .. | .. | 407 |
| Others .. .. .. .. .. .. | 142 | | | | |
| | 1,421 | | | | |
| Deduct as per Accountant-General's audited figure .. .. .. .. | 11 | | | | |
| | 1,410 | | 27 | 1,127 | 2,944 |
| Rest-houses .. .. .. .. | 368 | | .. | .. | 1,453 |
| Houses for subordinate establishment .. .. .. .. .. | 530 | Add A-VII (*c*) .. .. .. .. | .. | .. | 1,354 |
| Others .. .. .. .. .. | 42 | | | | |
| | 940 | | | | |
| Add pay of establishment .. .. | 622 | | | | |
| | 1,562 | | | | |
| Deduct as per Accountant-General's audited figure .. .. .. .. | 109 | | .. | .. | 2,807 |
| | 1,453 | | | | |
| Rest-houses .. .. .. .. .. | 445 | Bridle-paths .. .. .. .. | 2 | 301 | 1,029 |
| Others .. .. .. .. .. | 5 | Add pay of establishment .. .. | .. | 278 | .. |
| | | | 2 | 579 | 1,029 |
| | | Add A-VII (*c*) .. .. .. .. .. | .. | .. | 344 |
| | 450 | | 2 | 579 | 1,373 |

Communications

| District. | New work undertaken during the year. — Buildings. — Description of building. | Expenditure incurred. | Roads and paths. — Road or path and object of the same. | Length of road or path. | Expenditure incurred. | Total expenditure on new work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | *Northern* |
| | | RS. | | MLS. | RS. | RS. |
| Total, Northern Circle. | Rest-houses .. .. .. | 18,980 | Cart-roads .. .. .. | 125⅜ | 15,141 | .. |
| | Houses for subordinate establishment .. .. .. | 20,570 | Ghât-roads .. .. .. | .. | 12 | .. |
| | Others .. .. .. .. | 9,212 | Bridle-paths .. .. .. | 6⅝ | 377 | .. |
| | | | Bridge .. .. .. .. | .. | 131 | .. |
| | | | Dam .. .. .. .. | .. | 797 | .. |
| | | | Others .. .. .. .. | .. | 42 | .. |
| | | 48,762 | | 132 | 16,500 | 68,846 |
| | Add pay of establishment .. | 1,432 | Add pay of establishment .. | .. | 2,152 | .. |
| | | | A-VII (c) .. .. .. .. | .. | .. | 2,905 |
| | Total .. | 50,194 | | 132 | 18,652 | 71,751 |
| | | | | | | *Central* |
| Cuddapah, North. | Rest-houses .. .. .. | 275 | Bridle-path .. .. .. | 14⅞ | 1,095 | 3,450 |
| | Houses for subordinate establishments .. .. .. | 119 | Cart-road .. .. .. .. | 5¼ | 1,720 | .. |
| | Others .. .. .. .. | 241 | .... | .. | .. | .. |
| | Total, Cuddapah, North .. | 635 | Total .. | 20⅛ | 2,815 | 3,450 |
| Cuddapah, East. | Rest-houses .. .. .. | 177 | Bridle-path .. .. .. | 5⅝ | 223 | 1,463 |
| | Houses for subordinate establishments .. .. .. | 1,046 | .... | .. | .. | .. |
| | Others .. .. .. .. | 17 | .... | .. | .. | .. |
| | Total, Cuddapah, East .. | 1,240 | Total .. | 5⅝ | 223 | 1,463 |
| Nellore .. | Rest-houses .. .. .. | 3,056 | Cart-road .. .. .. | .. | 115 | 4,978 |
| | Houses for subordinate establishments .. .. .. | 1,142 | Add as per Accountant-General's audit figure. | .. | 27 | .. |
| | Others .. . .. .. | 638 | .... | .. | .. | .. |
| | Total, Nellore .. | 4,836 | Total .. | .. | 142 | 4,978 |
| Chingleput .. | Rest-houses .. .. .. | 976 | Cart-road .. .. .. | .. | 40 | 1,016 |
| | Total, Chingleput .. | 976 | Total .. | .. | 40 | 1,016 |
| Arcot, North .. | Rest-houses .. .. .. | 52 | Cart-road .. .. .. | 28 | 12,448 | 14,551 |
| | Houses for subordinate establishments .. .. .. | 2,041 | Add as per Accountant-General's audited figure. | .. | 2 | .. |
| | Others .. .. .. .. | 8 | .... | .. | .. | .. |
| | Total, Arcot, North .. | 2,101 | Total .. | 28 | 12,450 | 14,551 |

and Buildings—*cont.*

| Repairs executed during the year. | | | | | |
|---|---|---|---|---|---|
| Buildings. | | Roads and paths. | | | Total expended on repairs. |
| Nature of repairs. | Expenditure incurred. | Nature of repairs. | Length repaired. | Expenditure incurred. | |
| 8 | 9 | 10 | 11 | 12 | 13 |
| *Circle*—cont. | | | | | |
| | RS. | | MLS. | RS. | RS. |
| Rest-houses .. .. .. .. | 7,561 | Cart-roads .. .. .. .. .. | $154\frac{7}{8}$ | † 5,777 | 30,927 |
| Houses for subordinate establishment .. .. .. .. .. | * 1,446 | Ghat roads .. .. .. .. .. | 7 | 5,896 | .. |
| Others .. .. .. .. .. | 3,629 | Bridle-paths .. .. .. .. | $5\frac{1}{2}$ | 412 | . |
| | | Others .. .. .. .. .. | $\frac{1}{4}$ | 25 | .. |
| | 12,636 | | $167\frac{5}{8}$ | 12,110 | 30,927 |
| Add pay of establishment .. .. | 6,145 | Add pay of establishment .. .. | .. | 278 | .. |
| | 18,781 | | $167\frac{5}{8}$ | 12,388 | 30,927 |
| | | Deduct as per Accountant-General's audited figure .. .. .. .. | .. | 52 | .. |
| Deduct as per Accountant-General's audited figure .. .. .. | 45 | | $167\frac{5}{8}$ | 12,336 | 31,072 |
| | | Add A-VII (*c*) .. .. .. .. | .. | .. | 4,212 |
| | | Add as per Accountant-General's audited figure .. .. .. .. .. | .. | .. | 138 |
| | 18,736 | | $167\frac{5}{8}$ | 12,336 | 35,422 |
| *Circle.* | | | | | |
| Rest-houses .. .. .. .. | 40 | Bridle-path .. .. .. .. .. | .. | 22 | 656 |
| Houses for subordinate establishments .. .. .. .. .. | 194 | Cart-road .. .. .. .. .. | .. | 54 | .. |
| Others .. .. .. .. | 51 | Add A-VII (*c*) .. | .. | .. | 370 |
| Total .. | 285 | Total .. | .. | 76 | 1,026 |
| Deduct cash recovery .. .. .. | 10 | | | | |
| | 275 | | | | |
| Cost of establishment .. .. .. | 305 | | | | |
| | 580 | | | | |
| Rest-houses .. .. .. .. | 184 | Bridle-path .. .. .. .. | $7\frac{1}{2}$ | 132 | 1,458 |
| Houses for subordinate establishments .. .. .. .. .. | 139 | Cart-road .. .. .. .. .. | $33\frac{3}{8}$ | 676 | .. |
| Others .. .. .. .. .. | 5 | .... | .. | .. | .. |
| Cost of establishment .. .. .. | 322 | Add A-VII-(*c*) .. | .. | .. | 85 |
| Total .. | 650 | Total .. | $40\frac{7}{8}$ | 808 | 1,543 |
| Rest-houses .. .. .. .. | 44 | .... | .. | .. | 1,484 |
| Houses for subordinate establishments .. .. .. .. .. | 593 | .... | . | .. | .. |
| Others .. .. .. .. .. | 16 | Add A-VII (*c*) .. | .. | .. | 1,004 |
| Cost of establishment .. .. .. | 831 | .... | .. | .. | .. |
| Total .. | 1,484 | Total .. | .. | .. | 2,488 |
| Rest-houses .. .. .. .. | 42 | Cart-road .. .. .. .. .. | 5 | 251 | 948 |
| Houses for subordinate establishments .. .. .. .. .. | 96 | Add A-VII (*c*) .. | .. | .. | 4 |
| Cost of establishment .. .. .. | 559 | .... | .. | .. | .. |
| Total .. | 697 | Total .. | 5 | 251 | 952 |
| Rest-houses .. .. .. .. | 926 | Bridle-path .. .. .. .. | 2 | 203 | 4,288 |
| Houses for subordinate establishments .. .. .. .. .. | 481 | Cart-road .. .. .. .. .. | $21\frac{7}{8}$ | 181 | .. |
| Others .. .. .. .. .. | 14 | Ghat-road .. .. .. .. .. | $3\frac{1}{2}$ | 857 | .. |
| Cost of establishment .. .. { | + 601 | Add A-VII (*c*) .. { | .. | .. | 88 |
| | +1,025 | | | | + 914 |
| Total .. | 3,047 | Total .. | $27\frac{3}{8}$ | 1,241 | 5,290 |

* Includes Rs. 55 spent under VII (*b*)—A Conservancy and Works in Parlakimedi Maliahs.
† Includes Rs. 90 spent under VII (*a*)—A Conservancy and Works in Parlakimedi Maliahs.

Communications

*Central*

| District. | New work undertaken during the year. Buildings. Description of building. | Expenditure incurred. | Roads and paths. Road or path and object of the same. | Length of road or path. | Expenditure incurred. | Total expenditure on new work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | RS. | | MLS. | RS. | RS. |
| Chittoor .. | Rest-houses .. .. .. | 497 | Bridle-path .. .. .. | ½ | 14 | 572 |
| | Houses for subordinate establishments .. .. .. | 25 | Cart-road .. .. .. .. | 3⅝ | 22 | .. |
| | Others .. .. .. .. | 14 | .... | .. | .. | .. |
| | Total, Chittoor .. | 536 | Total .. | 4⅛ | 36 | 572 |
| Arcot, South .. | Rest-houses .. .. .. | 4,812 | .... | .. | .. | 6,818 |
| | Houses for subordinate establishments .. .. .. | 1,919 | .... | .. | .. | .. |
| | Others .. .. .. .. | 87 | .... | .. | .. | .. |
| | Total, Arcot, South .. | 6,818 | Total .. | .. | .. | 6,818 |
| Salem, North. | Rest-houses .. .. .. | 1,664 | Cart-road .. .. .. | .. | 7,770 | 10,191 |
| | Houses for subordinate establishments .. .. | 676 | .... | | .. | .. |
| | Others .. .. .. .. | 81 | .... | .. | .. | .. |
| | Total, Salem, North .. | 2,421 | Total .. | .. | 7,770 | 10,191 |
| Salem, South. | Rest-houses .. .. .. | 320 | Cart-road .. .. .. | .. | 116 | 1,016 |
| | Houses for subordinate establishments .. .. | 580 | .... | .. | .. | .. |
| | Total, Salem, South .. | 900 | Total .. | .. | 116 | 1,016 |
| Trichinopoly .. | Rest-houses .. .. .. | 1,717 | Cart-road .. .. .. | 1⅜ | 331 | 2,048 |
| | Total, Trichinopoly .. | 1,717 | Total .. | 1⅜ | 331 | 2,048 |
| Guntúr .. | Rest-houses .. .. .. | 52 | .... | .. | .. | 408 |
| | Houses for subordinate establishments .. .. | 162 | .... | .. | .. | .. |
| | Others .. .. .. .. | 194 | .... | .. | .. | .. |
| | Total, Guntúr .. | 408 | Total .. | .. | .. | 408 |
| Total, Central Circle. | Rest-houses .. .. .. | 13,598 | Bridle-path .. .. .. | 21 | 1,332 | .. |
| | Houses for subordinate establishments .. .. | 7,710 | Cart-road .. .. .. | 38¼ | 22,567 | 46,511 |
| | Others .. .. .. .. | 1,277 | .... | .. | .. | .. |
| | Add as per Accountant-General's audited figures .. .. | 3 | Add as per Accountant-General's audited figures .. .. .. | .. | 24 | .. |
| | Total, Central Circle .. | 22,588 | Total .. | 59¼ | 23,923 | 46,511 |

NOTE (CENTRAL CIRCLE).—The difference in the total expenditure between this and the audited figures of the Accountant-

and Buildings—*cont.*

| Repairs executed during the year. | | | | | |
|---|---|---|---|---|---|
| Buildings. | | Roads and paths. | | | Total ex-pended on repairs. |
| Nature of repairs. | Expend-iture incurred. | Nature of repairs. | Length repaired. | Expend-iture incurred. | |
| 8 | 9 | 10 | 11 | 12 | 13 |
| *Circle*—cont. | | | | | |
| | RS. | | MLS. | RS. | RS. |
| Rest-houses .. .. .. .. | 550 | Bridle-path .. .. .. .. .. .. | 18½ | 127 | 1,598 |
| Houses for subordinate establishments .. .. .. .. | 445 | Ghat-road .. .. .. .. .. .. | 33¾ | 476 | .. |
| .... | .. | .... | .. | .. | .. |
| | | Add A-VII (c) .. | .. | .. | 176 |
| Total .. | 995 | Total .. | 52¼ | 603 | 1,774 |
| Rest-houses .. .. .. .. | 72 | .... | .. | .. | 749 |
| Houses for subordinate establishments .. .. .. .. .. | 262 | Add A-VII (c) .. | .. | .. | 402 |
| Cost of establishment .. .. .. | 415 | .... | .. | .. | .. |
| Total .. | 749 | Total .. | .. | .. | 1,151 |
| Rest-houses .. .. .. .. | 454 | Cart-road .. .. .. .. .. .. | .. | 394 | 1,148 |
| Houses for subordinate establishments | 154 | .... | .. | .. | .. |
| Others .. .. .. .. .. | 104 | .... | | .. | .. |
| Cost of establishments .. .. .. | 42 | .... | .. | .. | .. |
| Total .. | 754 | Total .. | .. | 394 | 1,148 |
| Rest-houses .. .. .. .. | 259 | Cart-road .. .. .. .. .. | .. | 87 | 1,084 |
| Houses for subordinate establishments .. .. .. .. | 110 | .... | .. | .. | .. |
| Others .. .. .. .. .. | 4 | .... | .. | .. | .. |
| Cost of establishments .. .. | 622 | Add A-VII (c) .. | .. | .. | 312 |
| | 995 | .. | .. | .. | — 11 |
| Deduct cash recovery .. .. .. | 9 | .... | .. | .. | .. |
| | 986 | .... | .. | .. | .. |
| | + 11 | .... | .. | .. | .. |
| Total .. | 997 | Total .. | .. | 87 | 1,385 |
| Rest-houses .. .. .. .. | 536 | Bridle-path .. .. .. .. | 36 | 855 | 3,050 |
| Houses for subordinate establishments .. .. .. .. | 34 | Cart-road .. .. .. .. .. .. | 17 | 551 | .. |
| Others .. .. .. .. .. | 39 | .... | .. | .. | .. |
| Cost of establishment .. .. .. | 525 | Add A-VII (c) .. | .. | .. | 87 |
| | + 510 | .... | .. | .. | .. |
| Total .. | 1,644 | Total .. | 53 | 1,406 | 3,137 |
| Rest-houses .. .. .. .. | 1,123 | .... | .. | .. | 945 |
| Houses for subordinate establishments .. .. .. .. | 50 | .... Add A-VII (c) .. | .. | .. | 216 |
| Others .. .. .. .. .. | 40 | .... | .. | .. | .. |
| Cost of establishment .. .. .. | 799 | | | | |
| | 2,012 | .... | .. | .. | .. |
| | —1,067 | .... | .. | .. | .. |
| Total .. | 945 | Total .. | .. | .. | 1,161 |
| Rest-houses .. .. .. .. | 4,230 | Bridle-path .. .. .. .. | 64 | 1,339 | 17,419 |
| Houses for subordinate establishments .. .. .. .. | 2,558 | Cart-road .. .. .. .. .. | 77¼ | 2,194 | .. |
| Others .. .. .. .. .. | 273 | Ghat-road .. .. .. .. .. | 37¼ | 1,333 | .. |
| | | Add direction charges .. | .. | 1 | .. |
| Cost of establishments .. .. .. | 5,021 | .... | .. | .. | .. |
| Add direction charges .. .. .. | 10 | | | | |
| | 12,092 | Add A-VII (c) .. | .. | .. | 3,647 |
| Add as per Accountant-General's audited figures .. .. .. | 479 | .... | .. | .. | .. |
| | 12,571 | .... | .. | .. | .. |
| Deduct cash recovery .. .. .. | 19 | .... | .. | .. | .. |
| Total .. | 12,552 | Total .. | 178½ | 4,867 | 21,066 |

General in the case of North Arcot, Chittoor, South Arcot, and North Salem is due to territorial changes.

Communications

| District. | New work undertaken during the year. Buildings. Description of building. | Expenditure incurred. | Roads and paths. Road or path and object of the same. | Length of road or path. | Expenditure incurred. | Total expenditure on new work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| *Southern* | | | | | | |
| | | RS. | | MLS. | RS. | RS. |
| South Canara.. | (a) Head-quarter houses .. | 702 | (a) Cart-roads .. .. .. | 13 | 774 | .. |
| | (d) Others .. .. .. | 6 | | | | |
| | Total .. | 708 | Total .. | 13 | 774 | 1,482 |
| Malabar, North. | (b) Rest-houses .. .. .. | 89 | (a) Cart-roads .. .. .. | 1 | 50 | .. |
| | (c) Houses for subordinate establishments .. .. | 3 | (d) Bridges .. .. .. | .. | 3 | .. |
| | (d) Others .. .. .. | 428 | | | | |
| | Total .. | 520 | Total .. | 1 | 53 | 573 |
| Malabar, South. | (a) Head-quarter houses .. | 49 | (b) Bridle-paths .. .. .. | 25 | 269 | .. |
| | (b) Rest-houses .. .. .. | 575 | | | | |
| | (c) Houses for subordinate establishments .. .. | 1,222 | | | | |
| | (d) Others .. .. .. | 237 | | | | |
| | Total .. | 2,083 | Total .. | 25 | 269 | 2,352 |
| The Nilgiris. | (c) Houses for subordinate establishments .. .. | 1,063 | (a) Cart-roads .. .. .. | 1 | 548 | .. |
| | (d) Others .. .. .. | 3,003 | (b) Bridle-paths .. .. .. | 5 | 274 | .. |
| | Total .. | 4,066 | Total .. | 6 | 822 | 4,888 |
| Ko legal .. | (b) Rest-houses .. .. .. | 6,073 | (a) Cart-roads .. .. .. | 7 | 2,579 | .. |
| | (c) Houses for subordinate establishments .. .. | 1,216 | | | | |
| | (d) Others .. .. .. | 100 | | | | |
| | Total .. | 7,389 | Total .. | 7 | 2,579 | 9,968 |
| Coimbatore, North. | (a) Head-quarter houses .. | 364 | (a) Cart-roads .. .. .. | 22 | 186 | .. |
| | (b) Rest-houses .. .. .. | 3,132 | | | | |
| | (c) Houses for subordinate establishments .. .. | 3,273 | | | | |
| | (d) Others .. .. .. | 941 | | | | |
| | Total .. | 7,710 | Total .. | 22 | 186 | 7,896 |
| Coimbatore, Central. | (a) Head-quarter houses .. | 355 | .... | .. | .. | .. |
| | (b) Rest-houses .. .. .. | 40 | | | | |
| | (d) Others .. .. .. | 116 | | | | |
| | Total .. | 511 | Total .. | .. | .. | 511 |

and Buildings—*cont.*

| Repairs executed during the year. | | | | | |
|---|---|---|---|---|---|
| Buildings. | | Roads and paths. | | | Total expended on repairs. |
| Nature of repairs. | Expenditure incurred. | Nature of repairs. | Length repaired | Expenditure incurred. | |
| 8 | 9 | 10 | 11 | 12 | 13 |
| *Circle.* | RS. | | MLS. | RS. | RS. |
| (a) Head-quarter houses .. .. | 119 | (a) Cart-roads .. .. .. | 37 | 606 | 1,779 |
| (b) Rest-houses .. .. .. .. | 431 | | | | |
| (c) Houses for subordinate establishments .. .. .. .. | 119 | | | | |
| (d) Others .. .. .. .. | 172 | | | | |
| Add pay of watchers .. .. .. | 334 | | | | |
| | 1,175 | | | | |
| Deduct cash recovery of service payments .. .. .. .. .. | —2 | Add A-VII (c) .. | .. | .. | 575 |
| Total .. | 1,173 | Total .. | 37 | 606 | 2,354 |
| (a) Head-quarter houses .. .. | 865 | (a) Cart-roads .. .. .. .. | 79 | 2,231 | 4,963 |
| (b) Rest-houses .. .. .. .. | 358 | (c) Ghat-roads .. .. .. .. | 1 | 40 | |
| (c) Houses for subordinate establishments .. .. .. .. | 56 | | | 2,271 | |
| (d) Others .. .. .. .. | 1,251 | | | | |
| Add pay of watchers .. .. .. | 171 | | | | |
| | 2,701 | Add as per Accountant-General's audited figures .. .. .. .. | .. | 1 | .. |
| Deduct as per Accountant-General's audited figures. | 10 | Add A-VII (c) .. | .. | .. | 1,382 |
| Total .. | 2,691 | Total .. | 80 | 2,272 | 6,345 |
| (a) Head-quarter houses .. .. | 206 | (a) Cart-roads .. .. .. .. | 17 | 546 | 1,568 |
| (b) Rest-houses .. .. .. .. | 171 | (b) Bridle-paths .. .. .. .. | 53 | 287 | |
| (c) Houses for subordinate establishments .. .. .. .. | 252 | (d) Bridges .. .. .. .. | .. | 7 | |
| Add pay of watchers .. .. .. | 99 | Add A-VII (c) .. | .. | .. | 818 |
| Total .. | 728 | Total .. | 70 | 840 | 2,386 |
| (a) Head-quarter houses .. .. | 36 | (a) Cart-roads .. .. .. .. | 29 | 965 | 2,192 |
| (b) Rest-houses .. .. .. .. | 380 | (d) Bridges .. .. .. .. | .. | 83 | |
| (c) Houses for subordinate establishments .. .. .. .. | 91 | (e) Others .. .. .. .. | 1 | 48 | |
| (d) Others .. .. .. .. | 589 | Add A-VII (c) .. | .. | .. | 172 |
| Total .. | 1,096 | Total .. | 30 | 1,096 | 2,364 |
| (b) Rest-houses .. .. .. .. | 165 | (a) Cart-roads .. .. .. .. | 35 | 3,198 | 3,920 |
| (c) Houses for subordinate establishments. | 30 | (d) Bridges .. .. .. .. | .. | 149 | |
| (d) Others .. .. .. .. | 2 | | | | |
| Add pay of watchers .. .. .. | 376 | Add A-VII (c) .. | .. | .. | 739 |
| Total .. | 573 | Total .. | 35 | 3,347 | 4,659 |
| (a) Head-quarter houses .. .. | 25 | (a) Cart-roads .. .. .. .. | 59 | 1,671 | 9,404 |
| (b) Rest-houses .. .. .. | 876 | (c) Ghat-roads .. .. .. .. | 51 | 5,829 | |
| (c) Houses for subordinate establishments .. .. .. .. | 92 | (d) Bridges .. .. .. .. | .. | 245 | |
| (d) Others .. .. .. .. | 142 | | | 7,745 | |
| Add pay of watchers .. .. .. | 567 | | | | |
| | 1,702 | Deduct cash recovery of service payments. | .. | −17 | |
| Deduct cash recovery of service payments .. .. .. .. .. | −26 | Add A-VII (c) .. | .. | .. | 329 |
| Total .. | 1,676 | Total .. | 110 | 7,728 | 9,733 |
| (a) Head-quarter houses .. .. | 45 | (a) Cart-roads .. .. .. .. | 6 | 686 | 1,640 |
| (b) Rest-houses .. .. .. .. | 336 | | | | |
| (c) Houses for subordinate establishments .. .. .. .. | 242 | | | | |
| (d) Others .. .. .. .. | 331 | Add A-VII (c) .. | | | 42 |
| Total .. | 954 | Total .. | 6 | 686 | 1,682 |

Communication

| District. | New work undertaken during the year. | | | | | |
|---|---|---|---|---|---|---|
| | Buildings. | | Roads and paths. | | | Total expenditure on new work. |
| | Description of building. | Expenditure incurred. | Road or path and object of the same. | Length of road or path. | Expenditure incurred. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| *Southern* | | | | | | |
| | | RS. | | MLS. | RS. | RS. |
| Coimbatore, South. | (a) Head-quarter houses .. | 367 | (a) Cart-roads .. .. .. | 18 | 3,362 | .. |
| | (b) Rest-houses .. .. .. | 806 | | | | |
| | (c) Houses for subordinate establishments .. .. | 1,515 | (e) Others .. .. .. | 1 | 228 | .. |
| | (d) Others .. .. .. | 209 | | | | |
| | Total, Coimbatore, South .. | 2,897 | Total .. | 19 | 3,590 | 6,487 |
| Madura .. | (b) Rest-houses .. .. | 485 | (a) Cart-roads .. .. .. | .. | 50 | .. |
| | (c) Houses for subordinate establishments .. .. | 2,005 | (b) Bridle paths .. .. .. | 10 | 1,806 | .. |
| | (d) Others .. .. .. | 316 | (d) Bridges .. .. .. | .. | 380 | .. |
| | Total, Madura .. | 2,806 | Total .. | 10 | 2,236 | 5,042 |
| Rámnád .. | | | | | | |
| Tinnevelly .. | (c) Houses for subordinate establishments .. .. | 2,810 | (a) Cart-roads .. .. .. | 6 | 1,046 | .. |
| | | | (b) Bridle-paths .. .. .. | 5 | 193 | .. |
| | (d) Others .. .. .. | 564 | (c) Ghat-roads .. .. .. | 3 | 1,454 | .. |
| | Total .. | 3,374 | Total .. | 14 | 2,693 | 6,067 |
| Direction .. | .... | .. | .... | .. | .. | .. |
| Total, Southern Circle. | (a) Head-quarter houses .. | 1,837 | (a) Cart-roads .. .. .. | 68 | 8,595 | |
| | (b) Rest-houses .. .. .. | 11,200 | (b) Bridle-paths .. .. .. | 45 | 2,542 | |
| | (c) Houses for subordinate establishments .. .. | 13,107 | (c) Ghat-roads .. .. .. | 3 | 1,454 | |
| | | | (d) Bridges .. .. .. | .. | 383 | |
| | (d) Others .. .. .. | 5,920 | (e) Others.. .. .. .. | 1 | 228 | |
| | Total, Southern Circle .. | 32,064 | Total .. | 117 | 13,202 | 45,266 |
| Total, Presidency. | (a) Head-quarter houses .. | 1,837 | (a) Cart-roads .. .. .. | 232 | 46,303 | 160623 |
| | (b) Rest-houses .. .. .. | 43,778 | (b) Ghat-roads .. .. .. | 3 | 1,466 | |
| | (c) Houses for subordinate establishments .. .. | 41,387 | (c) Bridle-paths .. .. .. | 72 | 4,251 | |
| | | | (d) Bridges .. .. .. | .. | 514 | |
| | (d) Others .. .. .. | 16,409 | (e) Dam .. .. .. .. | .. | 797 | |
| | | | (f) Others .. .. .. | 1 | 270 | |
| | | 1,03,411 | | 308 | 53,601 | |
| | Add pay of temporary establishment .. .. .. .. | 1,432 | Add pay of temporary establishment .. .. .. .. | .. | 2.152 | |
| | Add as per Accountant-General's audited figures .. | 3 | Variations as per Accountant-General's audited figures .. | .. | 24 | |
| | Total .. | 1,04,846 | Total .. | 308 | 55,777 | 1,60,623 |

and Buildings—*cont.*

| Repairs executed during the year. | | | | | |
|---|---|---|---|---|---|
| Buildings. | | Roads and paths. | | | Total expended on repairs. |
| Nature of repairs. | Expenditure incurred. | Nature of repairs. | Length repaired. | Expenditure incurred. | |
| 8 | 9 | 10 | 11 | 12 | 13 |
| *Circle*—cont. | | | | | |
| | RS. | | MLS. | RS. | RS. |
| (a) Head-quarter houses .. .. | 7 | (a) Cart-roads .. .. .. .. | 10 | 1,388 | 4,772 |
| (b) Rest-houses .. .. .. .. | 452 | (c) Ghat-roads .. .. .. .. | 5 | 1,214 | |
| (c) Houses for subordinate establishments .. .. .. .. | 227 | (e) Others .. .. .. .. .. | 8 | 369 | |
| (d) Others .. .. .. .. | 389 | Pay of temporary establishment .. .. | .. | 301 | |
| Add pay of watchers .. .. .. | 425 | Add A-VII (c) .. | .. | .. | 494 |
| Total .. | 1,500 | Total .. | 23 | 3,272 | 5,266 |
| (b) Rest-houses .. .. .. .. | 255 | (a) Cart-roads .. .. .. .. | 66 | 4,909 | 7,157 |
| (c) Houses for subordinate establishments .. .. .. .. | 328 | (b) Bridle-paths .. .. .. .. | 23 | 499 | |
| Add pay of watchers .. .. .. | 751 | (c) Ghat-roads .. .. .. .. | 8 | 400 | |
| | | (e) Others .. .. .. .. | | 52 | |
| | | Deduct cash recovery of service payments. | .. | —37 | |
| | | Add A-VII (c) .. | .. | .. | 248 |
| Total .. | 1,334 | | | | |
| | | Total .. | 97 | 5,823 | 7,405 |
| (b) Rest-houses .. .. .. | 236 | | | | |
| (c) Houses for subordinate establishments. | 61 | (a) Cart-roads .. .. .. .. | 2 | 144 | 2,840 |
| | | (b) Bridle-paths .. . .. .. | 8 | 148 | |
| (b) Rest-houses .. .. .. .. | 327 | | | | |
| (c) Houses for subordinate establishments .. .. .. .. | 51 | (a) Cart-roads .. .. .. .. | 49 | 1,361 | |
| | | (b) Bridle-paths .. .. .. .. | 14 | 477 | |
| (d) Others .. .. .. .. | 16 | (d) Bridges .. .. .. .. .. | .. | 21 | |
| | *— 3 | | | * +1 | |
| | | Add A-VII (c) .. | .. | .. | 20 |
| Total .. | 688 | Total .. | 73 | 2,152 | 2,860 |
| (d) Others .. .. .. .. | 5 | .... | .. | .. | 5 |
| (a) Head-quarter houses .. .. | 1,303 | (a) Cart-roads .. .. .. .. | 389 | 17,705 | 40,240 |
| (b) Rest-houses .. .. .. .. | 3,987 | (b) Bridle-paths .. .. .. .. | 98 | 1,411 | |
| (c) Houses for subordinate establishments .. .. .. .. | 1,549 | (c) Ghat-roads .. .. .. .. | 65 | 7,483 | |
| (d) Others .. .. .. .. | 2,897 | (d) Bridges .. .. .. .. .. | .. | 505 | |
| | | (e) Others .. .. .. .. .. | 9 | 469 | |
| | 9,736 | | 561 | 27,573 | |
| Add pay of watchers .. .. .. | 2,723 | Add pay of temporary establishment .. | .. | 301 | |
| Deduct cash recovery of service payments .. .. .. .. .. | —28 | Deduct cash recovery of service payments .. .. .. .. | .. | —54 | |
| | * —13 | | .. | * + 2 | |
| | | | .. | 27 822 | .. |
| | | Add A-VII (c) .. | .. | .. | 4,819 |
| Total .. | 12,418 | Total .. | 561 | 27,822 | 45,059 |
| (a) Head-quarter houses .. .. | 1,303 | (a) Cart-roads .. .. .. .. | 621 | 25,676 | 88,731 |
| (b) Rest-houses . .. .. . | 15,778 | (b) Ghât-roads .. .. .. .. | 109 | 14,712 | |
| (c) Houses for subordinate establishments .. .. .. .. | 5,553 | (c) Bridle-paths .. .. .. .. | 168 | 3,162 | |
| (d) Others .. .. .. .. | 6,799 | (d) Bridges .. .. .. .. .. | .. | 505 | |
| | | (e) Others .. .. .. .. .. | 9 | 494 | |
| | 29,433 | | 907 | 44,549 | |
| Add pay of establishment .. .. | 13,889 | Add pay of establishment .. .. .. | .. | 579 | |
| ,, Direction charges .. .. | 10 | ,, Direction charges .. .. .. | .. | 1 | |
| ,, as per Accountant-General's audited figures .. .. .. | 421 | | | | |
| | 43,753 | | 907 | 45,129 | |
| Deduct cash recoveries made .. | 47 | Deduct cash recoveries .. .. .. | .. | 54 | |
| | | ,, as per Accountant-General's audited figures .. .. .. .. | .. | 50 | |
| | | | 907 | 45,025 | 88,731 |
| | | Add A-VII (c) .. | .. | .. | 15,721 |
| Total .. | 43,706 | Total .. | 907 | 45,025 | 1,04,452 |

* Added or deducted as per Accountant-General's audited figures.

ANNUAL

*Forest Department,*

REGISTER of Breaches of

| District. | | Cases pending from 1909–1910. | New cases of the year. Injury to forests by fire. | Un-authorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | Total cases. |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| NORTHERN | | | | | | | | |
| Ganjám .. .. | A .. .. | * 54 | 5 | 124 | 13 | 5 | 147 | 201 |
| | B .. .. | * 114 | 6 | 384 | 64 | 12 | 466 | 580 |
| | C .. .. | .. | .. | 62 | .. | .. | 62 | .. |
| | Total .. | (a) 168 | (b) 11 | (c) 570 | (d) 77 | (e) 17 | 675 | 781 |
| Vizagapatam .. | A .. .. | * 21 | .. | 131 | 26 | 10 | 167 | 188 |
| | B .. .. | * 29 | 1 | 279 | 75 | 13 | 368 | 397 |
| | C .. .. | .. | .. | .. | .. | .. | .. | .. |
| | Total .. | 50 | 1 | 410 | 101 | 23 | 535 | 585 |
| Gódávari, Upper. | A .. .. | 2 | .. | 2 | 1 | .. | 3 | 5 |
| | B .. .. | .. | .. | 23 | 1 | 6 | 30 | 30 |
| | C .. .. | .. | .. | .. | .. | .. | .. | .. |
| | Total .. | 2 | .. | 25 | 2 | 6 | 33 | 35 |
| Gódávari, Lower. | A .. .. | * 20 | 3 | 47 | 15 | .. | 65 | 85 |
| | B .. .. | * 30 | 5 | 216 | 74 | 20 | 315 | 345 |
| | C .. .. | .. | 6 | 3 | .. | .. | 9 | .. |
| | Total .. | 50 | 14 | 266 | 89 | 20 | 389 | 430 |
| Kistna .. .. | A .. .. | * 46 | .. | 44 | 49 | 3 | 96 | 142 |
| | B .. .. | * 41 | .. | 96 | 155 | 20 | 271 | 312 |
| | C .. .. | .. | .. | .. | .. | .. | .. | .. |
| | Total .. | 87 | .. | 140 | 204 | 23 | 367 | 454 |
| Kurnool, East .. | A .. .. | * 12 | .. | 19 | 23 | 1 | 43 | 55 |
| | B .. .. | * 16 | .. | 27 | 34 | 4 | 65 | 81 |
| | C .. .. | .. | .. | .. | .. | .. | .. | .. |
| | Total .. | 28 | .. | 46 | 57 | 5 | 108 | 136 |
| Kurnool, South .. | A .. .. | * 32 | .. | 90 | 30 | 4 | 124 | 156 |
| | B .. .. | * 18 | 2 | 135 | 91 | 7 | 235 | 253 |
| | C .. .. | .. | .. | 8 | 2 | .. | 10 | .. |
| | Total .. | 50 | 2 | 233 | 123 | 11 | 369 | 409 |
| Kurnool, West .. | A .. .. | * 56 | 1 | 140 | 79 | 24 | 244 | 300 |
| | B .. .. | * 34 | 1 | 166 | 181 | 42 | 390 | 424 |
| | C .. .. | .. | .. | 50 | 43 | 8 | 101 | .. |
| | Total .. | 90 | 2 | 356 | 303 | 74 | 735 | 724 |

A = Cases taken to Court. B = Cases

* The variations between the closing balance of 1909–1910 and

† Withdrawn under the orders of the

(a) Excludes 21 cases pending from 1909-1910 relating to Parlákimedi Maliahs.
(b) Excludes 2 cases of Parlákimedi Maliahs.
(c) Do. 161 do.
(d) Do. 9 do.
(e) Do. 9 do.

FORM No. 71.

*Madras Presidency.*

Forest Rules during 1910–1911.

| Disposed of during the year. | | | | | | Cases pending at close of year. |
|---|---|---|---|---|---|---|
| Convictions. | | Acquittals. | | Total. | | |
| Cases. | Persons. | Cases. | Persons. | Cases. | Persons. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CIRCLE. | | | | | | |
| 128 | 468 | 14 | 39 | 142 | 507 | 59 |
| 324 | 1,044 | .. | .. | 324<br>† 135 | 1,044<br>346 | 121 |
| .. | .. | .. | .. | .. | .. | .. |
| (*f*) 452 | (*f*) 1,512 | (*g*) 14 | (*g*) 39 | 466<br>† 135 | 1,551<br>346 | 180 |
| 171 | 391 | 4 | 86 | 175 | 477 | 13 |
| 332 | 763 | .. | .. | 332<br>† 17 | 763<br>33 | 48 |
| .. | .. | .. | .. | .. | .. | .. |
| 503 | 1,154 | 4 | 86 | 507<br>† 17 | 1,240<br>33 | 61 |
| 2 | 5 | 1 | 1 | 3 | 6 | 2 |
| 13 | 37 | .. | .. | 13<br>† 10 | 37<br>26 | 7 |
| .. | .. | .. | .. | .. | .. | .. |
| 15 | 42 | 1 | 1 | 16<br>† 10 | 43<br>26 | 9 |
| 52 | 135 | 6 | 20 | 58 | 155 | 27 |
| 219 | 549 | 2 | 2 | 221<br>† 27 | 551<br>63 | 97 |
| .. | .. | .. | .. | .. | .. | .. |
| 271 | 684 | 8 | 22 | 279<br>† 27 | 706<br>63 | 124 |
| 113 | 365 | 13 | 79 | 126 | 444 | 16 |
| 220 | 732 | .. | .. | 220<br>† 20 | 732<br>.. | 72 |
| .. | .. | .. | .. | .. | .. | .. |
| 333 | 1,097 | 13 | 79 | 346<br>† 20 | 1,176<br>.. | 88 |
| 40 | 120 | 7 | 18 | 47 | 138 | 8 |
| 52 | 85 | .. | .. | 52<br>† 18 | 85<br>38 | 11 |
| .. | .. | .. | .. | .. | .. | .. |
| 92 | 205 | 7 | 18 | 99<br>† 18 | 223<br>38 | 19 |
| 107 | 380 | 23 | 59 | 130 | 439 | 26 |
| 143 | 359 | .. | .. | 143<br>† 47 | 359<br>229 | 63 |
| .. | .. | .. | .. | .. | .. | .. |
| 250 | 739 | 23 | 59 | 273<br>† 47 | 798<br>229 | 89 |
| 215 | 517 | 26 | 106 | 241 | 623 | 59 |
| 303 | 648 | .. | .. | 303<br>† 73 | 648<br>189 | 48 |
| .. | .. | .. | .. | .. | .. | .. |
| 518 | 1,165 | 26 | 106 | 544<br>† 73 | 1,271<br>189 | 107 |

compounded. C = Cases undetected.
these figures are due to transfers between heads A and B.
District Forest Officer or Revenue Divisional Officer.

(*f*) Excludes 114 cases of Parlakimedi Maliahs in which convictions of 282 persons were secured.
(*g*) Excludes 30 cases of Parlakimedi Maliahs in which 109 persons were acquitted.

## Register of Breaches of Forest

| District. | | Cases pending from 1909–1910. | New cases of the year. Injury to forests by fire. | Unauthorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | Total cases. |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | NORTHERN |
| Bellary .. | A .. .. | * 54 | 2 | 108 | 75 | 20 | 205 | 259 |
| | B .. .. | * 34 | .. | 297 | 209 | 38 | 544 | 578 |
| | C .. .. | .. | 8 | 3 | 77 | .. | 88 | .. |
| | Total .. | 88 | 10 | 408 | 361 | 58 | 837 | 837 |
| Anantapur .. | A .. .. | ‡ 132 | 2 | 399 | 184 | 15 | 600 | 732 |
| | B .. .. | .. | 1 | 184 | 98 | 4 | 287 | 287 |
| | C .. .. | .. | 169 | 1 | 24 | .. | 194 | .. |
| | Total .. | 132 | 172 | 584 | 306 | 19 | 1,081 | 1,019 |
| Total .. | A .. .. | * 429 | 13 | 1,104 | 495 | 82 | 1,694 | 2,123 |
| | B .. .. | * 316 | 16 | 1,807 | 982 | 166 | 2,971 | 3,287 |
| | C .. .. | .. | 183 | 127 | 146 | 8 | 464 | .. |
| | Grand Total .. | 745 | 212 | 3,038 | 1,623 | 256 | 5,129 | 5,410 |
| | | | | | | | | CENTRAL |
| Cuddapah, North .. | A .. .. | § 34 | 2 | 34 | 36 | 3 | 75 | 109 |
| | B .. .. | § 36 | .. | 96 | 74 | 2 | 172 | 208 |
| | Total .. | 70 | 2 | 130 | 110 | 5 | 247 | 317 |
| Cuddapah, East .. | A .. .. | § 41 | 1 | 47 | 13 | 5 | 66 | 107 |
| | B .. .. | § 80 | 1 | 129 | 121 | 55 | 306 | 386 |
| | C .. .. | .. | .. | 14 | 1 | 1 | 16 | .. |
| | Total .. | 121 | 2 | 190 | 135 | 61 | 388 | 493 |
| Nellore .. .. | A .. .. | § 211 | 1 | 118 | 192 | 11 | 322 | 533 |
| | B .. .. | § 191 | .. | 575 | 538 | 17 | 1,130 | 1,321 |
| | C .. .. | § 35 | .. | 88 | 117 | 3 | 208 | .. |
| | Total .. | 437 | 1 | 781 | 847 | 31 | 1,660 | 1,854 |
| Chingleput .. | A .. .. | 8 | 1 | 20 | 6 | 2 | 29 | 37 |
| | B .. .. | 67 | .. | 697 | 254 | 17 | 968 | 1,035 |
| | C .. .. | .. | .. | .. | .. | .. | .. | .. |
| | Total .. | 75 | 1 | 717 | 260 | 19 | 997 | 1,072 |
| (b) Arcot, North .. | A .. .. | (a) 186 | 6 | 254 | 142 | 20 | 422 | 608 |
| | B .. .. | (a) 370 | 1 | 1,459 | 893 | 79 | 2,432 | 2,802 |
| | C .. .. | .. | 77 | 10 | 11 | 3 | 101 | .. |
| | Total .. | 556 | 84 | 1,723 | 1,046 | 102 | 2,955 | 3,410 |

A = Cases taken into Court. B = Cases

* The variations between the closing balance of 1909–1910 and

† Withdrawn under the orders of the

‡ The increase of 7 cases over the figures in the previous year is

§ The variations between the closing balance of 1909-1910 and the

‖ Cases withdrawn under the orders of the District

(a) Variations in the opening balance under A and B

(b) Figures against the districts do not include offences in

Rules during 1910–1911—*cont.*

| Disposed of during the year. | | | | | | Cases pending at close of year. |
|---|---|---|---|---|---|---|
| Convictions. | | Acquittals. | | Total. | | |
| Cases. | Persons. | Cases. | Persons. | Cases. | Persons. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Circle—*cont.* | | | | | | |
| 246 | 736 | 9 | 32 | 255 | 768 | 4 |
| 452 | 943 | 1 | 1 | 453<br>† 82 | 944<br>194 | 43 |
| .. | .. | .. | .. | .. | .. | .. |
| 698 | 1,679 | 10 | 33 | 708<br>† 82 | 1,712<br>194 | 47 |
| 431 | 1,089 | 180 | 468 | 611 | 1,557 | 121 |
| 287 | 674 | .. | .. | 287 | 674 | .. |
| .. | .. | .. | .. | .. | .. | .. |
| 718 | 1,763 | 180 | 468 | 898 | 2,231 | 121 |
| 1,505 | 4,206 | 283 | 908 | 1,788 | 5,114 | 335 |
| 2,345 | 5,834 | 3 | 3 | 2,348<br>† 429 | 5,837<br>1,118 | 510 |
| .. | .. | .. | .. | .. | .. | .. |
| 3,850 | 10,040 | 286 | 911 | 4,136<br>† 429 | 10,951<br>1,118 | 845 |
| Circle. | | | | | | |
| 92 | 269 | 11 | 48 | 103<br>‖ 1 | 317<br>5 | 5 |
| 155 | 294 | .. | .. | 155<br>‖ 18 | 294<br>55 | 35 |
| 247 | 563 | 11 | 48 | 258<br>‖ 19 | 611<br>60 | 40 |
| 97 | 256 | 6 | 19 | 103 | 275 | 4 |
| 300 | 719 | .. | .. | 300<br>‖ 29 | 719<br>105 | 57 |
| .. | .. | .. | .. | .. | .. | .. |
| 397 | 975 | 6 | 19 | 403<br>‖ 29 | 994<br>105 | 61 |
| 357 | 780 | 87 | 251 | 444 | 1,031 | 89 |
| 867 | 1,940 | .. | .. | 867<br>‖ 136 | 1,940<br>281 | 318 |
| .. | .. | .. | .. | .. | .. | .. |
| 1,224 | 2,720 | 87 | 251 | 1,311<br>‖ 136 | 2,971<br>281 | 407 |
| 27 | 58 | 3 | 16 | 30 | 74 | 7 |
| 881 | 2,123 | .. | .. | 881<br>‖ 89 | 2,123<br>164 | 65 |
| .. | .. | .. | .. | .. | .. | .. |
| 908 | 2,181 | 3 | 16 | 911<br>‖ 89 | 2,197<br>164 | 72 |
| 367 | 945 | 42 | 150 | 409<br>‖ 6 | 1,095<br>14 | 193 |
| 2,389 | 5,264 | .. | .. | 2,389<br>‖ 97 | 5,264<br>106 | 316 |
| .. | .. | .. | .. | .. | .. | .. |
| 2,756 | 6,209 | 42 | 150 | 2,798<br>‖ 103 | 6,359<br>120 | 509 |

compounded. C = Cases undetected.
these figures are due to transfers between heads A and B.
District Forest-officer or Revenue Divisional officer.
due to Kadiri range having been transferred to this district.
opening balance of 1910–1911 are due to the transfer between the classes A and B.
Forest officers and Revenue Divisional officers.
are due to the reconstitution of the districts.
unreserved lands, as information has not been received from Collectors.

Register of Breaches of Forest

| District. | | Cases pending from 1909-1910. | New cases of the year. Injury to forests by fire. | Un-authorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | Total cases. |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | CENTRAL |
| Chittoor .. | A .. .. | (a) 129 | .. | 67 | 43 | 16 | 126 | 255 |
| | B .. .. | (a) 357 | .. | 639 | 469 | 37 | 1,145 | 1,502 |
| | C .. .. | .. | 101 | .. | .. | .. | 101 | .. |
| | Total .. | 486 | 101 | 706 | 512 | 53 | 1,372 | 1,757 |
| Arcot, South | A .. .. | 186 | .. | 274 | 53 | 8 | 335 | 521 |
| | B .. .. | 333 | .. | 1,536 | 463 | 41 | 2,040 | 2,373 |
| | C .. .. | 9 | 2 | 78 | 1 | 2 | 83 | .. |
| | Total .. | 528 | 2 | 1,888 | 517 | 51 | 2,458 | 2,894 |
| Salem, North | A .. .. | (a) 151 | .. | 167 | 49 | 13 | 229 | 380 |
| | B .. .. | (a) 60 | 1 | 285 | 86 | 14 | 386 | 446 |
| | C .. .. | .. | 27 | .. | .. | .. | 27 | .. |
| | Total .. | 211 | 28 | 452 | 135 | 27 | 642 | 826 |
| Salem, South | A .. .. | (a) 76 | 2 | 175 | 81 | 6 | 264 | 340 |
| | B .. .. | 108 | .. | 383 | 109 | 18 | 510 | 618 |
| | C .. .. | .. | 79 | .. | .. | .. | 79 | .. |
| | Total .. | 184 | 81 | 558 | 190 | 24 | 853 | 958 |
| Trichinopoly | A .. .. | (a) 50 | 1 | 65 | 40 | 2 | 108 | 158 |
| | B .. .. | 494 | .. | 1,921 | 460 | 125 | 2,506 | 3,000 |
| | C .. .. | 1 | .. | 50 | 39 | 3 | 92 | .. |
| | Total .. | 545 | 1 | 2,036 | 539 | 130 | 2,706 | 3,158 |
| (b) Guntúr.. | A .. .. | 48 | 1 | 35 | 79 | 7 | 122 | 170 |
| | B .. .. | 213 | 2 | 256 | 572 | 153 | 983 | 1,196 |
| | C .. .. | .. | .. | .. | . | .. | . | .. |
| | Total .. | 261 | 3 | 291 | 651 | 160 | 1,105 | 1,366 |
| Total | A .. .. | 1,120 | 15 | 1,256 | 734 | 93 | 2,098 | 3,218 |
| | B .. .. | 2,309 | 5 | 7,976 | 4,039 | 558 | 12,578 | 14,887 |
| | C .. .. | 45 | 286 | 240 | 169 | 12 | 707 | .. |
| | Grand Total .. | 3,474 | 306 | 9,472 | 4,942 | 663 | 15,383 | 18,105 |
| | | | | | | | | SOUTHERN *Reserved* |
| South Canara | A .. .. | (c) 16 | 29 | 38 | 6 | 6 | 79 | 95 |
| | B .. .. | (c) 148 | 48 | 694 | 142 | 44 | 928 | 1,0[illegible] |
| | C .. .. | .. | 277 | .. | .. | .. | 277 | .. |
| | Total .. | 164 | 354 | 732 | 148 | 50 | 1,284 | 1,171 |

A = Cases taken into Court. B = Cases
* Cases withdrawn under the orders of the District

(a) Variations in the opening balance under A and
(b) Figures against these districts do not include offences in
(c) The variations between the closing balance of 1909-1910 and
(d) Withdrawn under the orders of the District

Rules during 1910–1911—*cont.*

| Disposed of during the year. | | | | | | Cases pending at close of year. |
|---|---|---|---|---|---|---|
| Convictions. | | Acquittals. | | Total. | | |
| Cases. | Persons. | Cases. | Persons. | Cases. | Persons. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CIRCLE—*cont.* | | | | | | |
| 186 | 440 | 25 | 133 | 211 | 573 | 44 |
| 1,215 | 1,580 | .. | .. | 1,215<br>* 129 | 1,580<br>194 | 158 |
| .. | .. | .. | .. | .. | .. | .. |
| 1,401 | 2,020 | 25 | 133 | 1,426<br>* 129 | 2,153<br>194 | 202 |
| 340 | 753 | 34 | 65 | 374<br>* 40 | 818<br>63 | 107 |
| 1,829 | 3,193 | .. | .. | 1,829<br>* 107 | 3,193<br>177 | 437 |
| .. | .. | .. | .. | .. | .. | .. |
| 2,169 | 3,946 | 34 | 65 | 2,203<br>* 147 | 4,011<br>240 | 544 |
| 101 | 269 | 14 | 42 | 115 | 311 | 265 |
| 318 | 585 | .. | .. | 318<br>* 26 | 585<br>61 | 102 |
| .. | .. | .. | .. | .. | .. | .. |
| 419 | 854 | 14 | 42 | 433<br>* 26 | 896<br>61 | 367 |
| 188 | 732 | 20 | 81 | 208<br>* 3 | 813<br>6 | 129 |
| 467 | 1,162 | .. | .. | 467<br>* 13 | 1,162<br>21 | 138 |
| .. | .. | .. | .. | .. | .. | .. |
| 655 | 1,894 | 20 | 81 | 675<br>* 16 | 1,975<br>27 | 267 |
| 88 | 192 | 35 | 100 | 123 | 292 | 35 |
| 2,566 | 4,650 | .. | .. | 2,566 | 4,650 | 434 |
| .. | .. | .. | .. | .. | .. | .. |
| 2,654 | 4,842 | 35 | 100 | 2,689 | 4,942 | 469 |
| 101 | 455 | 10 | 39 | 111 | 494 | 59 |
| 775 | 3,401 | .. | .. | 775<br>* 99 | 3,401<br>447 | 322 |
| .. | .. | .. | .. | .. | .. | .. |
| 876 | 3,856 | 10 | 39 | 886<br>* 99 | 3,895<br>447 | 381 |
| 1,944 | 5,149 | 287 | 944 | 2,231<br>* 50 | 6,093<br>88 | 937 |
| 11,762 | 24,911 | .. | .. | 11,762<br>* 743 | 24,911<br>1,611 | 2,382 |
| .. | .. | .. | .. | .. | .. | .. |
| 13,706 | 30,060 | 287 | 944 | 13,993<br>* 793 | 31,004<br>1,699 | 3,319 |
| CIRCLE.<br>*Forests.* | | | | | | |
| 61 | 115 | 13 | 27 | 74 | 142 | 21 |
| 773 | 1,858 | .. | .. | 773<br>(*d*) 145 | 1,858<br>(*d*) 246 | 158 |
| .. | .. | .. | .. | .. | .. | .. |
| 834 | 1,973 | 13 | 27 | 847<br>(*d*) 145 | 2,000<br>(*d*) 246 | 179 |

compounded. C = Cases undetected.
Forest Officers and Revenue Divisional Officers.

B are due to the reconstitution of the districts.
unreserved lands, as information has not been received from Collectors.
these figures are due to the transfers between heads A and B.
Forest Officers or Revenue Divisional Officers.

Register of Breaches of Forest

| District. | | Cases pending from 1909-1910. | New cases of the year. Injury to forests by fire. | Unauthorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | Total cases. |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | SOUTHERN |
| | | | | | | | | *Reserved* |
| Malabar, North .. | A .. .. | 4 | 2 | 2 | 6 | 6 | 16 | 20 |
| | B .. .. | 1 | .. | .. | .. | .. | .. | 1 |
| | Total .. | 5 | 2 | 2 | 6 | 6 | 16 | 21 |
| Malabar, South .. | A .. .. | 7 (b)—2 | 1 | 1 | 3 | 1 | 6 | 11 |
| | B .. .. | 1 (c)—1 | .. | 5 | 3 | .. | 8 | 8 |
| | C .. .. | .. | 2 | 1 | .. | .. | 3 | .. |
| | Total .. | 5 | 3 | 7 | 6 | 1 | 17 | 19 |
| The Nilgiris .. | A .. .. | (a) 37 | .. | 71 | 35 | 13 | 119 | 156 |
| | B .. .. | (a) 23 | 1 | 66 | 43 | 5 | 115 | 138 |
| | C .. .. | .. | 19 | .. | 12 | .. | 31 | .. |
| | Total .. | 60 | 20 | 137 | 90 | 18 | 265 | 294 |
| Kollegal .. .. | A .. .. | 15 | 1 | 15 | 22 | 11 | 49 | 64 |
| | B .. .. | 38 | .. | 95 | 63 | 5 | 163 | 201 |
| | C .. .. | .. | 22 | .. | .. | .. | 22 | .. |
| | Total .. | 53 | 23 | 110 | 85 | 16 | 234 | 265 |
| Coimbatore, North. | A .. .. | 60 | .. | 50 | 22 | 14 | 86 | 146 |
| | B .. .. | 53 | .. | 98 | 96 | 15 | 209 | 262 |
| | C .. .. | .. | 31 | 6 | .. | .. | 37 | .. |
| | Total .. | 113 | 31 | 154 | 118 | 29 | 332 | 408 |
| Coimbatore, Central. | A .. .. | 39 | 1 | 99 | 78 | 41 | 219 | 258 |
| | B .. .. | 51 (e) +1 | .. | 106 | 82 | 39 | 227 | 279 |
| | C .. .. | .. | 19 | .. | .. | .. | 19 | .. |
| | Total .. | 91 | 20 | 205 | 160 | 80 | 465 | 537 |
| Coimbatore, South. | A .. .. | 11 (d)—1 | .. | 43 | 16 | 6 | 65 | 75 |
| | B .. .. | 45 (d)—5 | 1 | 81 | 20 | 13 | 115 | 155 |
| | C .. .. | .. | 13 | .. | .. | .. | 13 | .. |
| | Total .. | 50 | 14 | 124 | 36 | 19 | 193 | 230 |
| Madura .. .. | A .. .. | 88 | 1 | 20 | 30 | 23 | 74 | 162 |
| | B .. .. | 236 | .. | 577 | 600 | 12 | 1,189 | 1,425 |
| | C .. .. | .. | 31 | .. | .. | .. | 31 | .. |
| | Total .. | 324 | 32 | 597 | 630 | 35 | 1,294 | 1,578 |
| Rámná .. .. | A .. | (g) 2 (f) + 16 | .. | 25 | 11 | 1 | 37 | 55 |
| | B .. | (g) 21 (f) − 2 | .. | 103 | 85 | 1 | 189 | 208 |
| | C .. .. | .. | 4 | .. | .. | .. | 4 | .. |
| | Total .. | 37 | 4 | 128 | 96 | 2 | 230 | 263 |

A = Cases taken into Court. B = Cases

(a) Variations between the closing balance of 1909-1910

(b) Transferred to un-

(c) Transferred to Central

(d) Transferred to

(e) Withdrawn under the orders of the District

Rules during 1910–1911—*cont.*

| Disposed of during the year. | | | | | | Cases pending at the close of the year. |
|---|---|---|---|---|---|---|
| Convictions. | | Acquittals. | | Total. | | |
| Cases. | Persons. | Cases. | Persons. | Cases. | Persons. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CIRCLE—*cont.* | | | | | | |
| *Forests*—cont. | | | | | | |
| 8 | 11 | 1 | 1 | 9<br>(e) 3 | 12<br>(e) 6 | 8 |
| 1 | 1 | .. | .. | 1 | 1 | .. |
| 9 | 12 | 1 | 1 | 10<br>(e) 3 | 13<br>(e) 6 | 8 |
| 5 | 9 | 1 | 2 | 6<br>(e) 3 | 11<br>(e) 11 | 2 |
| 7 | 14 | .. | .. | 7 | 14 | 1 |
| .. | .. | .. | .. | .. | .. | .. |
| 12 | 23 | 1 | 2 | 13<br>(e) 3 | 25<br>(e) 11 | 3 |
| 122 | 367 | 14 | 35 | 136 | 402 | 20 |
| 82 | 267 | .. | .. | 82<br>(e) 45 | 267<br>(e) 101 | 11 |
| .. | .. | .. | .. | .. | .. | .. |
| 204 | 634 | 14 | 35 | 218<br>(e) 45 | 669<br>(e) 101 | 31 |
| 43 | 108 | 10 | 48 | 53 | 156 | 11 |
| 143 | 375 | .. | .. | 143<br>(e) 17 | 375<br>(e) 27 | 41 |
| .. | .. | .. | .. | .. | .. | .. |
| 186 | 483 | 10 | 48 | 196<br>(e) 17 | 531<br>(e) 27 | 52 |
| 115 | 547 | 13 | 40 | 128 | 587 | 18 |
| 179 | 497 | .. | .. | 179<br>(e) 58 | 497<br>(e) 290 | 25 |
| .. | .. | .. | .. | .. | .. | .. |
| 294 | 1,044 | 13 | 40 | 307<br>(e) 58 | 1,084<br>(e) 290 | 43 |
| 183 | 531 | 30 | 93 | 213 | 624 | 45 |
| 220 | 523 | .. | .. | 220<br>(e) 28 | 523<br>(e) 80 | 31 |
| .. | .. | .. | .. | .. | .. | .. |
| 403 | 1,054 | 30 | 93 | 433<br>(e) 28 | 1,147<br>(e) 80 | 76 |
| 52 | 215 | 3 | 12 | 55<br>(e) 3 | 227<br>(e) 5 | 17 |
| 84 | 254 | .. | .. | 84<br>(e) 49 | 254<br>(e) 142 | 22 |
| .. | .. | .. | .. | .. | .. | .. |
| 136 | 469 | 3 | 12 | 139<br>(e) 52 | 481<br>(e) 147 | 39 |
| 99 | 180 | 10 | 82 | 109<br>(e) 9 | 262<br>(e) 58 | 44 |
| 997 | 3,453 | .. | .. | 997<br>(e) 95 | 3,453<br>(e) 476 | 333 |
| .. | .. | .. | .. | .. | .. | .. |
| 1,096 | 3,633 | 10 | 82 | 1,106<br>(e) 104 | 3,715<br>(e) 524 | 377 |
| 50 | 146 | 2 | 8 | 52 | 154 | 3 |
| 147 | 357 | .. | .. | 147<br>(e) 22 | 357<br>(e) 58 | 39 |
| .. | .. | .. | .. | .. | .. | .. |
| 197 | 503 | 2 | 8 | 199<br>(e) 22 | 511<br>(e) 58 | 42 |

compounded. C = Cases undetected.
and these figures are due to transfers between heads A and B.
reserved lands.
Coimbatore.
Trichinopoly.
Forest or Revenue Divisional Officer.
... by the Collector.

## Register of Breaches of Forest

| District. | | Cases pending from 1909–1910. | New cases of the year. Injury to forests by fire. | Unauthorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | Total cases. |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | SOUTHERN |
| | | | | | | | | *Reserved* |
| Tinnevelly | A | 6 (a) − 2 | .. | 54 | 36 | .. | 90 | 94 |
| | B | 116 (a) −21 | .. | 349 | 291 | 16 | 656 | 751 |
| | C | .. | 20 | .. | 138 | .. | 158 | .. |
| | Total | 99 | 20 | 403 | 465 | 16 | 904 | 845 |
| Total for reserved forests. | A | 296 | 35 | 418 | 265 | 122 | 840 | 1,136 |
| | B | 705 | 50 | 2,174 | 1,425 | 150 | 3,799 | 4,504 |
| | C | .. | 438 | 7 | 150 | .. | 595 | .. |
| | Total | 1,001 | 523 | 2,599 | 1,840 | 272 | 5,234 | 5,640 |
| | | | | | | | | *Unreserved* |
| South Canara | A | (b) 7 | .. | 4 | .. | .. | 4 | 11 |
| | B | (b) 24 | .. | 70 | .. | 3 | 73 | 97 |
| | Total | 31 | .. | 74 | .. | 3 | 77 | 108 |
| Malabar, North | A | .. | .. | 1 | .. | .. | 1 | 1 |
| | B | .. | .. | 4 | .. | .. | 4 | 4 |
| | Total | .. | .. | 5 | .. | .. | 5 | 5 |
| Malabar, South | A | (c) 2 | .. | 5 | .. | .. | 5 | 7 |
| | B | .. | .. | 2 | .. | .. | 2 | 2 |
| | Total | 2 | .. | 7 | .. | .. | 7 | 9 |
| Kollegal | A | .. | .. | 1 | .. | .. | 1 | 1 |
| | B | (d) 1 | 1 | 23 | .. | .. | 24 | 25 |
| | Total | 1 | 1 | 24 | .. | .. | 25 | 26 |
| Coimbatore, North. | A | .. | .. | 16 | .. | .. | 16 | 16 |
| | B | 19 | .. | 77 | .. | .. | 77 | 96 |
| | Total | 19 | .. | 93 | .. | .. | 93 | 112 |
| Coimbatore, Central. | A | (d) 1 | .. | 39 | .. | 1 | 40 | 41 |
| | B | .. | .. | 156 | .. | .. | 156 | 156 |
| | Total | 1 | .. | 195 | .. | 1 | 196 | 197 |
| Madura | B | .. | .. | 83 | .. | .. | 83 | 83 |
| Rámnád | A | .. | .. | 9 | .. | .. | 9 | 9 |
| | B | (d) 42 | .. | 70 | .. | .. | 70 | 112 |
| | Total | 42 | .. | 79 | .. | .. | 79 | 121 |
| Tinnevelly | A | .. | .. | 5 | .. | 5 | 10 | 10 |
| | B | 1 (a)+ 5 | .. | 150 | .. | 18 | 168 | 174 |
| | Total | 6 | .. | 155 | .. | 23 | 178 | 184 |

A = Cases taken into Court. B = Cases

(a) Transferred to
(b) The variations between the closing balance of 1909 1910
(c) Transferred to
(d) Cases relating to unreserved
(e) Withdrawn under the orders of the

Rules during 1910–1911—*cont.*

CIRCLE—*cont.*

*Forests*—cont.

| Disposed of during the year. — Convictions. — Cases. | Convictions. — Persons. | Acquittals. — Cases. | Acquittals. — Persons. | Total. — Cases. | Total. — Persons. | Cases pending at the close of the year. |
|---|---|---|---|---|---|---|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 79 | 236 | 3 | 11 | 82 | 247 | 12 |
| 598 | 1,465 | .. | .. | 598<br>(e) 53 | 1,465<br>(e) 150 | 100 |
| .. | .. | .. | .. | .. | .. | .. |
| 677 | 1,701 | 3 | 11 | 680<br>(e) 53 | 1,712<br>(e) 150 | 112 |
| 817 | 2,465 | 100 | 359 | 917<br>(e) 18 | 2,824<br>(e) 80 | 201 |
| 3,231 | 9,064 | .. | .. | 3,231<br>(e) 512 | 9,064<br>(e) 1,570 | 761 |
| .. | .. | .. | .. | .. | .. | .. |
| 4,048 | 11,529 | 100 | 359 | 4,148<br>(e) 530 | 11,888<br>(e) 1,650 | 962 |

*Lands.*

| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|
| 7 | 8 | 1 | 5 | 8 | 13 | 3 |
| 58 | 69 | .. | .. | 58<br>(e) 5 | 69<br>(e) 5 | 34 |
| 65 | 77 | 1 | 5 | 66<br>(e) 5 | 82<br>(e) 5 | 37 |
| 1 | 1 | .. | .. | 1 | 1 | .. |
| 4 | 4 | .. | .. | 4 | 4 | .. |
| 5 | 5 | .. | .. | 5 | 5 | .. |
| 2 | 4 | 3 | 13 | 5<br>(e) 2 | 17<br>(e) 5 | .. |
| 1 | 2 | .. | .. | 1 | 2 | 1 |
| 3 | 6 | 3 | 13 | 6<br>(e) 2 | 19<br>(e) 5 | 1 |
| .. | .. | .. | .. | .. | .. | 1 |
| 22 | 39 | .. | .. | 22 | 39 | 3 |
| 22 | 39 | .. | .. | 22 | 39 | 4 |
| 15 | 27 | 1 | 2 | 16 | 29 | .. |
| 94 | 109 | .. | .. | 94 | 109 | 2 |
| 109 | 136 | 1 | 2 | 110 | 138 | 2 |
| 30 | 54 | 8 | 17 | 38 | 71 | 3 |
| 156 | Not reported. | .. | .. | 156 | Not reported. | .. |
| 186 | 54 | 8 | 17 | 194 | 71 | 3 |
| 83 | 89 | .. | .. | 83 | 89 | .. |
| 7 | 11 | 2 | 3 | 9 | 14 | .. |
| 59 | 134 | | .. | 59<br>(e) 2 | 134<br>(e) 3 | 51 |
| 66 | 145 | 2 | 3 | 68<br>(e) 2 | 148<br>(e) 3 | 51 |
| 10 | 17 | .. | .. | 10 | 17 | .. |
| 154 | 199 | .. | .. | 154<br>(e) 6 | 199<br>(e) 6 | 14 |
| 164 | 216 | .. | .. | 164<br>(e) 6 | 216<br>(e) 6 | 14 |

compounded. C = Cases undetected.
Rámnád.
and these figures are due to transfers between heads A and B.
unreserved lands.

Register of Breaches of Forest

| District. | Cases pending from 1909-1910. | New cases of the year. | | | | | Total cases. |
|---|---|---|---|---|---|---|---|
| | | Injury to forests by fire. | Un-authorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | SOUTHERN |
| | | | | | | | *Unreserved* |
| Total for unreserved lands. A .. .. | 10 | .. | 80 | .. | 6 | 86 | 96 |
| B .. .. | 92 | 1 | 635 | .. | 21 | 657 | 749 |
| Total .. | 102 | 1 | 715 | .. | 27 | 743 | 845 |
| Grand total for reserved forests and unreserved lands, Southern Circle. A .. .. | 306 | 35 | 498 | 265 | 128 | 926 | 1,232 |
| B .. .. | 797 | 51 | 2,809 | 1,425 | 171 | 4,456 | 5,253 |
| C .. .. | .. | 438 | 7 | 150 | .. | 595 | .. |
| | 1,103 | 524 | 3,314 | 1,840 | 299 | 5,977 | 6,485 |
| Grand total, Presidnecy. A .. .. | 1,855 | 63 | 2,858 | 1,494 | 303 | 4,718 | 6,573 |
| B .. .. | 3,422 | 72 | 12,592 | 6,446 | 895 | 20,005 | 23,427 |
| C .. .. | 45 | 907 | 374 | 465 | 20 | 1,766 | .. |
| Total .. | 5,322 | 1,042 | 15,824 | 8,405 | 1,218 | 26,489 | 30,000 |

A = Cases taken into Court. B = Cases

(*a*) Withdrawn under the orders of the District

Rules during 1910-1911—*cont.*

| Disposed of during the year. | | | | | | Cases pending at the close of the year. |
|---|---|---|---|---|---|---|
| Convictions. | | Acquittals. | | Total. | | |
| Cases. | Persons. | Cases. | Persons. | Cases. | Persons. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CIRCLE—*cont.* | | | | | | |
| *Lands*—cont. | | | | | | |
| 72 | 122 | 15 | 40 | 87<br>(a) 2 | 162<br>(a) 5 | 7 |
| 631 | 645 | .. | .. | 631<br>(a) 13 | 645<br>(a) 14 | 105 |
| 703 | 767 | 15 | 40 | 718<br>(a) 15 | 807<br>(a) 19 | 112 |
| 889 | 2,587 | 115 | 399 | 1,004<br>(a) 20 | 2,986<br>(a) 85 | 208 |
| 3,862 | 9,709 | .. | .. | 3,862<br>(a) 525 | 9,709<br>(a) 1,584 | 866 |
| .. | .. | .. | .. | .. | .. | .. |
| 4,751 | 12,296 | 115 | 399 | 4,866<br>(a) 545 | 12,695<br>(a) 1,669 | 1,074 |
| 4,338 | 11,942 | 685 | 2,251 | 5,023<br>* 70 | 14,193<br>* 173 | 1,480 |
| 17,969 | 40,454 | 3 | 3 | 17,972<br>* 1,697 | 40,457<br>* 4,313 | 3,758 |
| .. | .. | .. | .. | .. | .. | .. |
| 22,307 | 52,396 | 388 | 2,254 | 22,995<br>* 1,767 | 54,650<br>* 4,486 | 5,238 |

compounded. C = Cases undetected.
Forest or Revenue Divisional Officers.

APPENDIX to Annual Form No. 71 (Statement No. II prescribed by the Government of India).

| District. | Details of prosecution for offences by fire. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Serial number. | Area burnt in acres. | Character of offence (whether intentional or careless). | Whether acquitted or convicted. | Section of law under which convicted. | Amount of punishment. | Remarks. |
| *Northern Circle.* | | | | | | | |
| Ganjám | 1 | 60 | Careless | Withdrawn. | .... | .... | .... |
| | 2 | .. | Do. | Do. | .... | .... | .... |
| | 3 | 50 | Intentional. | Pending | .... | .... | .... |
| | 4 | 3 | Careless | Compounded. | .... | .... | .... |
| | 5 | .. | .. | Pending | .... | .... | .... |
| | 6 | .. | .. | Withdrawn. | .... | .... | .... |
| | 7, 8 | .. | .. | Pending | .... | .... | .... |
| | 9 | .. | .. | Withdrawn. | .... | .... | .... |
| | 10, 11 | .. | .. | Do. | .... | .... | .... |
| | 12, 13 | .. | .. | Pending | .... | .... | .... |
| Vizagapatam. | | Nil. | .. | .. | .... | .... | .... |
| Gódávari, Upper. | | Nil. | .. | .. | .... | .... | .... |
| Gódávari, Lower. | 1 | 1 | Careless | Withdrawn. | .... | .... | .... |
| | 2 | 9 feet by 5 feet. | Do. | Compounded. | .... | .... | Pending with Range Officer, Peddapur. |
| Kistna | | Nil. | .. | .. | .... | .... | .... |
| Kurnool, East. | | Nil. | .. | .. | .... | .... | .... |
| Kurnool, South. | 1 | Nil. | Careless | Withdrawn. | .... | .... | The accused being mad was bound over by the District Magistrate for two months. |
| | 2 | Nil. | Intentional. | Do. | .... | .... | Withdrawn as there was not the least certainty that the case would stand. |
| Kurnool, West. | 1 | .. | Careless | Withdrawn. | .... | .... | The case was reported from hearsay facts. |
| | 2 | .. | Intentional. | Convicted | Section 21 (c) of the Madras Forest Act. | Sentenced to suffer rigorous imprisonment for 4 months. | .. |
| Bellary | 1 | 7 | Do. | Do. | Section 21 (h) of the Madras Forest Act V of 1882. | Fined Rs. 25 in default rigorous imprisonment for 6 weeks and to pay Rs. 15 as compensation for damage done to forest. | .... |
| Anantapur. | 1 | .. | Careless | Compounded. | .... | .... | Cooking meals in a reserve. Compounded for Rs. 14. Area unprotected. |
| | 2 | 786 | Intentional. | Convicted | Section 21 of the Madras Forest Act. | 1st accused sentenced to undergo rigorous imprisonment for 4 months; 2nd accused was acquitted. | A serious case in an unprotected area. |
| | 3 | 0·33 | Do. | Do. | Do. | All the 7 accused sentenced to pay a fine of Rs. 5 each or in default to suffer simple imprisonment for a week. | Lighting fires to smoke out bees. Area unprotected. |
| *Central Circle.* | | | | | | | |
| North Cuddapah. | 1 | .. | Intentional. | Pending | Section 21 (b) of the Madras Forest Act. | .... | |
| | 2 | .. | Do. | Convicted | Do. | Two months rigorous imprisonment. | |
| *East Cuddapah. | 1 | 2 acres | Do. | Do. | Do. | Three months rigorous imprisonment. | |
| | 2 | .. | .. | Compounded. | .... | .... | Details for other columns not furnished by Collector. |
| Nellore | 1 | 0·10 acre | Intentional. | Pending | .... | ... | |
| Chingleput | 1 | 0·1 ,, | Careless | Convicted | Section 21 (b) of the Madras Forest Act. | Fined Rs. 7 in default to suffer rigorous imprisonment for two weeks. | |
| North Arcot. | 1 | 5·0 acres | Do. | Acquitted | 245, Criminal Procedure Code. | .... | |
| | 2 | Less than 2·0 acres | Do. | Convicted | Section 21 (b) of the Madras Forest Act. | Two accused fined Rs. 25 each. | |
| | 3 | 35·0 ,, | Do. | Do. | Section 21 (b) of the Madras Forest Act. | Two months rigorous imprisonment. | |
| | † | .. | .. | .. | .... | .... | |

* The pending cases of the previous year for East Cuddapah have not been reported on by the Collector.
† Information regarding other cases of the year has not been furnished † Including four pending cases of last year.

## Appendix to Annual Form No. 71 (Statement No. II prescribed by the Government of India)—*cont.*

| District. | Serial number of fire. | Area burnt in acres. | Character of offences (whether intentional or careless). | Whether acquitted or convicted. | Section of law under which convicted. | Amount of punishment. | Remarks. |
|---|---|---|---|---|---|---|---|
| | Details of prosecutions for offences by fire. | | | | | | |
| *Central Circle—cont.* | | | | | | | |
| *Salem, North. | 1 | 50 | Careless .. | Pending .. | Section 21 (*b*) of the Madras Forest Act, V of 1882. | .... | |
| Salem, South. | 1 | 30·0 acres .. | Intentional. | Pending .. | .... | .... | |
| | 2 | 29·0 ,, .. | Do. | Do. .. | .... | .... | |
| Trichinopoly. | 1 | 1·0 ,, .. | Do. | Do. .. | .... | .... | |
| Guntúr .. | 1 | 4 sq. yards. | Careless .. | Compounded. | Section 21 (*b*) of the Madras Forest Act, V of 1882. | .... | |
| | 2 | .. | Do. .. | Withdrawn. | Do. | .... | |
| | 3 | .. | Intentional. | Pending .. | Sections 21 (*b*) and (*f*) of the Madras Forest Act, V of 1882. | .... | |
| *Southern Circle.* | | | | | | | |
| | † 1 | 1 acre .. | Carelessness. | Compounded for Rs. 2 | .... | .... | |
| | † 2 | 2 acres .. | Intentional. | Compounded for Rs. 5. | .... | .... | |
| | † 3 | 1 acre .. | Carelessness. | Compounded for Rs. 4. | .... | .... | |
| | † 4 | 10 acres .. | Do. | Compounded for Rs. 5. | .... | .... | |
| | † 5 | 180 ,, .. | Do. | Compounded for Rs. 5. | .... | .... | |
| | † 6 | .. | Do. | Compounded for Rs. 2. | .... | .... | |
| | † 7 | .. | Carrying torches. | Compounded for Rs. 2. | .... | .... | |
| | 8 | ·40 acre .. | Carelessness. | Compounded for Rs. 2. | .... | .... | |
| | 9 | 3 acres .. | Do. | Compounded for Rs. 8. | .... | .... | |
| | 10 | .. | Do. | Compounded for Rs. 6. | .... | .... | |
| | 11 | 10 acres .. | Do. | Compounded for Rs. 2. | .... | .... | |
| | 12 | 20 ,, .. | Do. | Compounded for Rs. 15. | .... | .... | |
| | 13 | ·50 acre .. | Do. | Compounded for Rs. 3. | .... | .... | |
| | 14 | 8 acres .. | Intentional. | Convicted .. | Section 21 (*b*) of the Madras Forest Act. | Two accused—one fined Rs. 4 and the other acquitted. | |
| Canara, South. | 15 | 4 ,, .. | Do. | Do. .. | Do. | Sentenced to suffer two weeks' rigorous imprisonment. | |
| | 16 | 10 ,, .. | Do. | Do. .. | Do. | Fined Rs. 6. | |
| | 17 | 1 acre .. | Do. | Do. .. | Do. | ,, Rs. 8. | |
| | 18 | 70 acres .. | Do. | Do. .. | Do. | ,, Rs. 40. | |
| | 19 | 15 ,, .. | Do. | Do. .. | Do. | ,, Rs. 15. | |
| | 20 | 50 ,, .. | Carelessness. | Compounded for Rs. 20. | .... | .... | |
| | 21 | 200 ,, .. | Intentional. | Convicted .. | Section 21 (*b*) of the Madras Forest Act. | Fined Rs. 30. | |
| | 22 | 100 ,, .. | Do. | Do. .. | Do. | ,, Rs. 20. | |
| | 23 | 12 ,, .. | Do. | Compounded for Rs. 12. | .... | .... | |
| | 24 | 20 ,, .. | Do. | Compounded for Rs. 16. | .... | .... | |
| | 25 | .. | Carelessness. | Convicted .. | Section 21 (*b*) of the Madras Forest Act. | Sentenced to suffer fifteen days' rigoroas imprisonment. | |
| | 26 | 1·75 acres. | Do. | Do. .. | Do. | Fined Rs. 10. | |
| | 27 | .. | Do. | Compounded for Rs. 2. | .... | .... | |
| | 28 | .. | Do. | Compounded for Rs. 4. | .... | .... | |
| | 29 | 36 acres .. | Do. | Compounded for Rs. 30. | .... | .... | |
| | 30 | ·50 acre .. | Do. | Convicted .. | Section 21 (*b*) of the Madras Forest Act. | Fined Rs. 5. | |
| | 31 | .. | Do. | Do. .. | Do. | ,, Rs. 5. | |
| | 32 | 1·50 acres. | Do. | Do. | Do. | ,, Rs. 12. | |
| | 33 | .. | Do. | Compounded for Rs. 5. | .... | .... | |

* The pending cases of the previous year for North Salem have not been reported on by the Collector.

† Pending cases of previous year.

Appendix to Annual Form No. 71 (Statement No. II prescribed by the Government of India)—*cont.*

| District. | Details of prosecutions for offences by fire. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Serial number. | Area burnt in acres. | Character of offences (whether intentional or careless). | Whether acquitted or convicted. | Section of law under which convicted. | Amount of punishment. | Remarks. |
| *Southern Circle—cont.* | | | | | | | |
| Canara, South—*cont.* | 34 | .. | Carelessness. | Compounded for Re. 1. | .... | .... | |
| | 35 | 6 acres .. | Do. | Compounded for Rs. 4. | .... | .... | |
| | 36 | | Do. | Compounded for Rs. 3. | .... | .... | |
| | 37 to 44 | 198·50 acres. | Intentional. | Acquitted .. | .... | .... | |
| | 45 | 2·75 ,, .. | Carelessness. | Do. .. | .... | .... | |
| | 46 to 49 | 139 ,, .. | Intentional. | Withdrawn. | .... | .... | |
| | * 50 to 62 | 350 ,, .. | Carelessness. | Do. | .... | .... | |
| | 63 to 80 | 230·05 ,, .. | Do. | Pending .. | .... | .... | |
| | 81 to 88 | 573 ,, .. | Intentional. | Do. .. | .... | .... | |
| Malabar, North. | † 1 | 681 acres .. | Do. | Do. .. | .... | .... | |
| | 2 | 30 ,, .. | Carelessness. | Convicted .. | Section 21 (*b*) of the Madras Forest Act. | Fined Rs. 15 in default to suffer rigorous imprisonment for one month. | |
| | 3 | ·50 acre .. | Do. | Withdrawn. | .... | .... | |
| Malabar, South. | 1 | 1 ,, .. | Do. | Pending .. | .... | .... | |
| The Nilgiris. | † 1 | 1 ,, .. | Do. | Convicted .. | Section 21 (*b*) of the Madras Forest Act. | Two accused fined Rs. 5 each. | |
| | 2 | 1 ,, .. | Do. | Withdrawn. | .... | .... | |
| Kollegal .. | † 1 | 320 acres .. | Intentional. | Do. | .... | .... | |
| | † 2 | 10 ,, .. | Carelessness. | Do. | .... | .... | |
| | 3 | ·30 acre .. | Intentional. | Pending .. | .... | .... | |
| Coimbatore, North. | † 1 | Not known. | Do. | 14 accused acquitted and 1 convicted. | Section 21 (*c*) of the Madras Forest Act. | Fined Rs. 30 in default to suffer 30 days' rigorous imprisonment. | |
| | † 2 | 960 acres .. | Do. | Acquitted .. | .... | .... | |
| | † 3 | 480 ,, .. | Carelessness. | Convicted .. | Section 21 (*b*) of the Madras Forest Act. | Five accused ; three fined Rs. 25 each or to suffer 10 days' rigorous imprisonment each and the case against the other two is pending. | |
| Coimbatore, Central. | 1 | ·54 acre .. | Do. | Acquitted .. | .... | .... | |
| Coimbatore, South. | 1 | 10 acres .. | Do. | Compounded for Rs. 50. | .... | .... | |
| Madura .. | 1 | 100 ,, .. | Intentional. | Pending .. | .... | .... | |
| Rámnád .. | † 1 | .... | Do. | Acquitted .. | .... | .... | |

* Includes four pending cases of last year.

† Pending cases of previous year.

## ANNUAL FORM No. 72.

### AREA of Forest Tracts protected from Fire during 1910–1911.

| District. | Forest tracts. | Area protected during the previous year. | During the year under report. Area attempted to be protected. | Fires. | Actually protected. | Cost during the year under report. | Remarks. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | *Northern Circle.* | ACS. | ACS. | ACS. | ACS. | RS. | |
| Ganjám .. | Special protection .. | 83,361 | 99,985 | 417 | 98,668 | 3,233<br>− 232 | Deducted as per Accountant-General's figures. |
| Vizagapatam. | Special protection .. | 94,386 | 112,284 | 939 | 111,345 | 2,259 | The increase of 11,402 acres in column 3 over previous year's figures has not been explained by the Collector. |
| | General do. .. | 67,291 | 72,795 | 6,405 | 66,390 | | |
| | Total, Vizagapatam .. | 161,677 | 185,079 | 7,344 | 177,735 | 2,259 | |
| Gódávari, Upper. | General protection .. | 197,683 | 337,746 | 1,451 | 336,295 | 9,436<br>+ 1 | Added as per Accountant-General's figures. |
| Gódávari, Lower. | General do. .. | 199,531 | 204,789 | 1,770 | 203,019 | 2,106<br>+ 7 | Do. |
| Kistna . | Special do. .. | 45,757 | 47,092 | 619 | 46,473 | 910 | |
| Kurnool, East. | Special do. .. | 9,283 | 25,650 | 305 | 25,345 | 3,349 | |
| Kurnool, South. | Special do. .. | 159,599 | 162,059 | 9,881 | 152,178 | 20,833 | Do. |
| | General do. .. | .. | 121,329 | 109,000 | 12,329 | + 6 | |
| | Total, Kurnool, South .. | 159,599 | 283,388 | 118,881 | 164,507 | 20,839 | |
| Kurnool, West. | Special protection .. | 103,761 | 166,475 | 29,611 | 136,864 | 9,056 | The increase of 47,928 acres in column 3 over previous year's figures in the 3 Kurnools has not been explained by the Collector |
| Bellary .. | Special protection .. | 51,841 | 70,585 | 13,258 | 57,327 | 6,843 | |
| Anantapur | Special do. .. | 100,907 | 113,984 | 13,436 | 100,548 | 3,329 | Increase of 30,092 acres over previous year's figures is due to Kadiri Range added to this Circle. |
| | | | | | | − 64 | Deducted as per Accountant-General's figures. |
| | General protection .. | 3,824 | .. | .. | .. | .. | |
| | Total, Anantapur .. | 104,731 | 113,984 | 13,436 | 100,548 | 3,265 | |
| | Total, Special, Northern Circle .. | 648,895 | 797,214 | 68,466 | 728,748 | 49,522 | |
| | Total, General, Northern Circle .. | 468,329 | 736,659 | 118,626 | 618,033 | 11,550 | |
| | Grand Total (Special and General). | 1,117,224 | 1,533,873 | 187,092 | 1,346,781 | 61,072 | |
| | *Central Circle.* | | | | | | |
| Cuddapah, North. | Special protection .. | 279,686 | 217,969 | 17,604 | 200,365 | 3,497 | |
| | General do. .. | .. | 102,981 | 9,838 | 93,143 | 565 | |
| | Total .. | 279,686 | 320,950 | 27,442 | 293,508 | 4,062 | |
| Cuddapah, East. | Special protection .. | 352,282 | 212,907 | 1,811 | 211,096 | 1,975<br>1,479 | |
| | General do. .. | .. | 224,317 | 35,002 | 189,315 | 435 | |
| | Total .. | 352,282 | 437,224 | 36,813 | 400,411 | 3,889 | |

## Area of Forest Tracts protected from Fire during 1910-1911—*cont.*

| District. | Forest tracts. | Area protected during the previous year. | During the year under report. | | | Cost during the year under report. | Remarks. |
|---|---|---|---|---|---|---|---|
| | | | Area attempted to be protected. | Fires. | Actually protected. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | *Central Circle*—cont. | ACS. | ACS | ACS. | ACS. | RS. | |
| Nellore .. | Special protection .. | 151,152 | 149,670 | 530 | 149,140 | 1,167 | |
| | General do. .. | .. | 860 | 30 | 830 | .. | |
| | Total . | 151,152 | 150,530 | 560 | 149,970 | 1,167 | |
| Chingleput. | Special protection .. | 25,784 | 25,856 | .. | 25,856 | 1,012 | |
| | General do. .. | .. | .. | .. | .. | .. | |
| | Total .. | 25,784 | 25,856 | | 25,856 | 1,012 | |
| North Arcot. | Special protection .. | 181,731 | 194,023 | 4,493 | 189,530 | 2,602 | |
| | General do. .. | 379,533 | 382,425 | 2,823 | 379,602 | . | |
| | Total .. | 561,264 | 576,448 | 7,316 | 569,132 | 2,602 | |
| Chittoor .. | Special protection .. | 160,739 | 134,308 | 1,205 | 133,103 | 664 | |
| | General do. .. | 293,762 | 304,631 | 5,578 | 299,053 | .. | |
| | Total .. | 454,501 | 438,939 | 6,783 | 432,156 | 664 | |
| South Arcot. | Special protection .. | 13,718 | 13,787 | .. | 13,787 | 476 | |
| | General do. .. | .. | 199,089 | 19 | 199,070 | .. | |
| | Total .. | 13,718 | 212,876 | 19 | 212,857 | 476 | |
| North Salem. | Special protection .. | 12,984 | 13,436 | 350 | 13,086 | 679 | |
| | General do. . | 21,272 | 467,504 | 5,256 | 462,248 | 818 | |
| | Total .. | 34,256 | 480,940 | 5,606 | 475,334 | 1,497 | |
| South Salem. | Special protection .. | *218,478 | 233,501 | 728 | 232,773 | 3,210 | * Revised figure |
| | General do. .. | .. | 138,266 | 1,533 | 136,733 | | |
| | Total .. | 218,478 | 371,767 | 2,261 | 369,506 | 3,210 | |
| Trichinopoly. | Special protection .. | 56,873 | 49,113 | .. | 49,113 | 60 | |
| | General do. .. | .. | .. | .. | .. | .. | |
| | Total .. | 56,873 | 49,113 | .. | 49,113 | 60 | |
| Guntúr .. | Special protection .. | 49,741 | 34,537 | 7 | 34,530 | 265 | |
| | General do. .. | 61,012 | 486,710 | 791 | 485,919 | .. | |
| | Total .. | 110,753 | 521,247 | 798 | 520,449 | 265 | |
| | Total, Special protection, Central Circle .. .. | 1,503,168 | 1,279,107 | 26,728 | 1,252,379 | 15,607 | |
| | Total, General protection, Central Circle .. .. | 755,579 | 2,306,783 | 60,870 | 2,245,913 | 3,297 | |
| | Grand total (Special and General) .. .. .. | 2,258,747 | 3,585,890 | 87,598 | 3,498,292 | 18,904 | |
| | *Southern Circle.* | | | | | | |
| South Canara | Special protection .. | 124,824 | 124,703 | 6,384 | 118,319 | 2,204 | †Fire-tracing cart stands. 10<br>Fire-tracing Mysore-South Canara boundary. 726<br>Cost of previous year disbursed during the year .. 94<br>Cost of re-clearing lines in Jedkal and Kollur beats .. 102<br>Total .. 932 |
| | General do. .. | 425,809 | 392,852 | 7,796 | 385,056 | 271<br>+† 932 | |
| | Total .. | 550,633 | 517,555 | 14,180 | 508,375 | 3,407 | |

NOTE.—The difference between column 7 of the previous year and column 3 of this year in the Central Circle was due to the transfer of Kadiri range to Northern Circle and to revised figures furnished by the Collectors.

## Area of Forest Tracts protected from Fire during 1910–1911—*cont.*

| District. | Forest tracts. | Area protected during the previous year. | During the year under report. Area attempted to be protected. | Fires. | Actually protected. | Cost during the year under report. | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | *Southern Circle*—cont. | ACS. | ACS. | ACS. | ACS. | RS. | |
| Malabar, North. | Special protection .. | 126,486 | 140,461 | 833 | 139,628 | 7,468 | |
| | General do. .. | .. | .. | .. | .. | ..<br>+ 67 | Cost of planting on fire lines. |
| | Total .. | 126,486 | 140,461 | 833 | 139,628 | 7,535 | |
| Malabar, South. | Special protecsion .. | 94,554<br>(*a*)—13,944 | 80,622 | 338 | 80,284 | 2,292 | |
| | General do. .. | .. | .. | .. | .. | .. | |
| | Total .. | 80,610 | 80,622 | 338 | 80,284 | 2,292 | |
| The Nilgiris. | Special protection .. | 59,199 | 66,451 | 13,779 | 52,672 | 3,287<br>(*c*)+ 1 | |
| | General do. .. | .. | .. | .. | .. | | |
| | Total .. | 59,199 | 66,451 | 13,779 | 52,672 | 3,288 | |
| Kollegal .. | Special protection .. | 66,730 | 73,968 | 150 | 73,818 | 2,544 | |
| | General do. .. | 341,051 | 393,564 | 16,400 | 377,164 | .. | |
| | Total .. | 407,781 | 467,532 | 16,550 | 450,982 | 2,544 | |
| Coimbatore, North. | Special protection .. | 58,540 | 62,053 | 430 | 61,623 | 2,110 | |
| | General do. .. | 504,659 | 521,695 | 7,807 | 513,888 | ..<br>+ 379 | Amount spent on clearing Mysore boundary. |
| | Total .. | 563,199 | 583,748 | 8,237 | 575,511 | 2,489 | |
| Coimbatore, Central. | Special protection .. | 65,024 | 68,447 | 580 | 67,867 | 2,686 | |
| | General do. | 163,960<br>(*b*)—36,450 | 128,153 | 376 | 127,777 | 2 | |
| | Total .. | 192,534 | 196,600 | 956 | 195,644 | 2,688 | |
| Coimbatore, South. | Special protection .. | 29,692 | 30,646 | 152 | 30,494 | 2,141 | |
| | General do. .. | 193,954 | 194,184 | 1,309 | 192,875 | .. | |
| | Total .. | 223,646 | 224,830 | 1,461 | 223,369 | 2,141 | |
| Madura .. | Special protection .. | 140,834 | 145,453 | 975 | 144,478 | 3,758 | |
| | General do. .. | 279,320 | 281,050 | 2,103 | 278,947 | 47 | |
| | Total .. | 420,154 | 426,503 | 3,078 | 423,425 | 3,805 | |
| Rámnád .. | Special protection .. | 3,820 | 4,722 | 1,930 | 2,792 | 189 | |
| | General do. .. | 38,266 | 38,791 | 359 | 38,432 | 240 | |
| | Total .. | 42,086 | 43,513 | 2,289 | 41,224 | 429 | |
| Tinnevelly. | Special protection .. | 28,960 | 29,055 | 313 | 28,742 | 784 | |
| | General do. | 170,236<br>(*a*)—23,641 | 168,378 | 5,288 | 163,090 | 1,106<br>(*c*) + 2 | |
| | Total .. | 175,555 | 197,433 | 5,601 | 191,832 | 1,892 | |
| | Total, Special, Southern Circle. | 784 719 | 826,581 | 25,864 | 800,717 | 29,463 | |
| | Total, General, Southern Circle. | 2,057,164 | 2,118,667 | 41,438 | 2,077,229 | 1,666 | |
| | Grand total (Special and General). | 2,841,883 | 2,945,248 | 67,302 | 2,877,946 | 31,129<br>+ 1,378<br>(*c*) + 3 | |
| | Total, Presidency (Special) | 2,936,782 | 2,902,902 | 121,058 | 2,781,844 | 95,973 | |
| | Do. (General). | 3,281,072 | 5,162,109 | 220,934 | 4,941,175 | 16,513 | |
| | Grand total, Presidency (Special and General) .. | 6,217,854 | 8,065,011 | 341,992 | 7,723,019 | 1,12,486 | |

(*a*) Rectification due to adoption of Survey of India figures.
(*b*) Last year's figures are reported to be incorrect.
(*c*) Added as per Accountant-General's audited figures.

## ANNUAL FORM No. 73.

### AREA closed and open to grazing during 1910-1911.

| District. | Area in square miles. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Closed to all animals. | | Closed to both goats and sheep. | | Area closed to goats only. | Open to all animals. | Total forest area as per Form No. 65. |
| | Whole year. | Part of year. | Whole year. | Part of year. | | Whole year. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| *Northern Circle.* | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. |
| Ganjám .. .. .. | 77 | .. | .. | .. | 599 | .. | 599 |
| Vizagapatam .. | 14<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 302<br>10 | ..<br>.. | 302<br>10 |
| Gódávari, Upper .. | 1<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 428<br>450 | ..<br>90 | 428<br>540 |
| Do. Lower .. | 13<br>75 | ..<br>.. | 271<br>.. | ..<br>.. | 136<br>75 | ..<br>.. | 407<br>75 |
| Kistna .. .. | 39<br>.. | 9<br>.. | ..<br>.. | ..<br>.. | 198<br>.. | 71<br>19 | 278<br>19 |
| Kurnool, East .. .. | 40 | .. | .. | .. | 1,003 | .. | 1,008 |
| Do. South .. .. | 268 | .. | .. | .. | 774 | .. | 774 |
| Do. West .. .. | 222 | .. | .. | .. | 858 | .. | 858 |
| Bellary .. .. | 75<br>33 | ..<br>.. | ..<br>.. | ..<br>.. | 522<br>33 | 102<br>33 | 624<br>66 |
| Anantapur .. .. | 115<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 734<br>.. | 19<br>77 | 753<br>77 |
| Total .. | 864<br>108 | 9<br>.. | 271<br>.. | ..<br>.. | 5,554<br>568 | 192<br>219 | 6,026<br>787 |
| *Central Circle.* | | | | | | | |
| Cuddapah, North .. .. | 46 | .. | .. | .. | 664 | 71 | 734<br>1 |
| Do. East .. .. | 111 | .. | .. | .. | 1,065 | 18 | 1,083 |
| Nellore .. .. .. | 35 | 2 | 60 | .. | 605 | 70 | 737 |
| Chingleput .. .. | 43 | .. | .. | .. | 211 | 2 | 213 |
| Arcot, North .. .. | 115 | .. | .. | .. | 1,219 | 26 | 1,244<br>1 |
| Chitoor .. .. .. | 94 | 28 | .. | .. | 808 | 4 | 839<br>1 |
| Arcot, South .. .. | 22 | .. | 22 | .. | 324 | .. | 346 |
| Salem, North .. .. | 63 | .. | 63 | .. | 717 | 58 | 792<br>46 |
| Do. South .. .. | 64 | .. | .. | .. | 587 | .. | 581<br>6 |
| Trichinopoly .. .. | 17 | .. | .. | .. | 360 | .. | 356<br>4 |
| Guntúr .. .. .. | 139 | .. | .. | .. | 689 | 125 | 814 |
| Tota .. | 749 | 30 | 145 | .. | 7,249 | 374 | 7,739<br>59 |
| *Southern Circle.* | | | | | | | |
| Canara, South .. .. | 12<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 783<br>110 | ..<br>.. | 795<br>110 |
| Malabar, North .. .. | 30<br>.. | ..<br>.. | 231<br>1 | ..<br>.. | ..<br>.. | ..<br>.. | 261<br>1 |
| Malabar, South .. .. | 108<br>55 | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 108<br>55 |
| Nilgiris, The .. .. | 22<br>3 | ..<br>.. | ..<br>.. | ..<br>.. | 456<br>79 | ..<br>.. | 478<br>82 |
| Kollegal .. .. .. | 79<br>10 | 3<br>.. | ..<br>.. | ..<br>.. | 365<br>248 | ..<br>.. | 447<br>258 |
| Coimbatore North .. | 16<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 905<br>* .. | ..<br>.. | *921<br>† .. |
| Coimbatore, Central .. | 59<br>48 | 1<br>.. | ..<br>.. | ..<br>.. | 247<br>.. | ..<br>.. | 307<br>48 |
| Coimbatore, South .. .. | 23 | .. | .. | .. | 431 | .. | 454 |
| Madura .. .. | 109<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | *451<br>.. | 106<br>.. | * 666<br>.. |
| Ramnad .. .. .. | 31 | 8 | 4 | .. | 30 | .. | 73 |
| Tinnevelly .. .. | 258<br>1 | 14<br>.. | ..<br>.. | ..<br>.. | * 82<br>.. | ..<br>.. | 354<br>1 |
| Total .. | 747<br>117 | 26<br>.. | 235<br>1 | ..<br>.. | 3,750<br>437 | 106<br>.. | 4,864<br>555 |
| Grand Total, Presidency.. | 2,360<br>225 | 65 | 651<br>1 | .. | 16,553<br>1,005 | 672<br>219 | 18,629<br>1,401 |

*N.B.*—1. Of the figures in brackets, the upper ones denote the area of reserved forests and the lower ones the area of reserved lands.

* Less than one square mile.

† One acre.

Annual Form No. 74.

*Forest Department, Madras Presidency.*

Return of Grazing in the State forests during 1910-1911.

ANNUAL

*Forest Department,*

RETURN of Grazing in the

| District. | Grazing on payment. Number — At enhanced or special rates. Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Fees received. | At full rates. Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Fees received. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| NORTHERN CIRCLE. | | | | | RS. | | | | | RS. |
| Ganjám .. .. .. | .. | .. | .. | .. | .. | (w)11,964 | (x)39,620 | S 303 | .. | 11,944 |
| Vizagapatam .. .. | (a) 118 | (a) 3,473 | (a) S 4,074 | .. | 1,436 | 1,510 | 17,398 | S 2,894 | .. | 4,100 |
| Gódávari, Upper .. .. | (b) 24 | (b) 5,920 | .. | .. | 1,862 | .. | .. | .. | .. | .. |
| Do. Lower .. .. | (e) 1,048<br>(a) 8,032 | (e) 585<br>(a) 10,990 | S 265 | .. | 7,794 | (g) 1,466<br>Fodder grass sold. | (g)11,794<br>.. | ..<br>.. | ..<br>.. | 1,841<br>83 |
| Kistna .. .. .. | (e) 873 | (h) 1,755<br>(e) 9,970 | (h) G 5,513<br>(e) S 1,449 | .. | 7,798 | 6,413 | 22,361 | S 29,018 | .. | 9,318 |
| Kurnool, East .. .. | .. | (a) 13,196<br>(X) 5 | (a) S 54 | .. | 8,306 | 40 | .. | .. | .. | 15 |
| Do. South .. .. | (a) 5,416 | (a) 66,218<br>(X) 557 | S 3,229 | .. | 19,736 | 1,785 | 9,643 | S 33,863 | .. | 5,652 |
| Do. West .. .. | (a) 7,349 | (a) 29,486 | S 16,017 | Fodder grass 307 *C. L.* | 13,144 | 6,972 | 39,841 | S 28,238<br>.. | Fodder grass 101 *C.L.* | 12,764 |
| Bellary .. .. .. | .. | .. | .. | .. | .. | 12,522 | 52,274 | S 184,852<br>G 92,077 | .. | 40,459 |
| Anantapur .. .. | .. | .. | .. | .. | .. | 2,500 | 45,310<br>(i) 80<br>(j) 377 | G 86<br>S 121,436<br>(i) S 2,295 | .. | 20,993 |
| Total .. | 22,860 | 141,593<br>(X) 562 | S 25,088<br>G 5,513 | Fodder grass 307 *C.L.* | 55,076 | 45,172 | 238,698 | S402,899<br>G92,163 | Fodder grass 101 *C.L.* | 1,07,169 |
| Unreserved lands— Gódávari, Lower .. | (a) 6,277 | (a) 11,076 | .. | .. | 5,907 | Sale proceeds of pasture. | | | | 635 |
| CENTRAL CIRCLE. | | | | | | | | | | |
| Cuddapah, North .. | ..<br>..<br>..<br>.. | ..<br>..<br>..<br>.. | ..<br>..<br>..<br>.. | ..<br>..<br>..<br>.. | ..<br>..<br>..<br>.. | 1,364<br>..<br>..<br>.. | 28,724<br>..<br>..<br>.. | G 12,655<br>S 110,510<br>..<br>.. | ..<br>...<br>..<br>.. | 22,585<br>(k) 6<br>(l) 4 |
| Do. East .. .. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 3,796<br>.. | 43,069<br>.. | G 3,456<br>S 78,829 | ..<br>.. | 18,617 |
| Nellore .. .. | ..<br>.. | (o) 62,674<br>.. | G 16,880<br>S 122,269 | (o) | 35,422 | 7,288<br>.. | ..<br>.. | .. | .. | 2,733 |
| Chingleput .. .. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 2,744<br>.. | 34,498<br>.. | G 37?<br>S 55,719 | ..<br>.. | 12,814 |
| Arcot, North .. .. | ..<br>.. | 15,469<br>.. | ..<br>.. | ..<br>.. | 3,867<br>.. | 5,526<br>.. | 145,755<br>. | S 95,988<br>G 5,931 | ..<br>.. | 42,849 |
| Chittoor .. .. .. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 2,252<br>.. | 81,876<br>.. | S 71,487<br>G 8? | ..<br>.. | 22,960 |
| Arcot, South .. .. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | ..<br>.. | 4,648<br>.. | 64,925<br>(r) 177 | S 139,136<br>S (r) 137 | ..<br>.. | 27,033<br>(k) 2 |
| Salem, North .. .. | 4,051<br>.. | 74,315<br>.. | S 21,063<br>(s) G 9,110 | .. | 27,792 | 11<br>.. | 24,503<br>.. | S 18,645<br>.. | ..<br>.. | 6,346<br>(k) 279 |
| Do. South .. .. | .. | .. | .. | .. | .. | 1,381 | 101,404 | S 40,452 | .. | 23,323 |
| Trichinopoly .. .. | .. | .. | .. | .. | . | 1,052 | 27,685 | S 92,445 | .. | 14,252 |
| Guntúr .. .. | ..<br>..<br>(t) 887<br>..<br>(u) 2,900<br>..<br>(v) ..<br>..<br>(w) .. | ..<br>..<br>2,176<br>..<br>58,554<br>..<br>657<br>..<br>2,863 | ..<br>..<br>G 5,302<br>S 10,364<br>G 38,185<br>S 83,793<br>G 88<br>S 12<br>.. | ..<br>..<br>..<br><br>..<br><br>..<br>..<br>.. | ..<br>..<br>2,946<br><br>47,003<br><br>398<br>..<br>2,863 | 11,455<br>..<br>..<br>..<br><br>..<br>..<br>..<br>.. | 15,040<br>..<br>..<br>..<br>..<br>..<br>..<br>..<br>.. | G 32,175<br>S 83,899<br>..<br>..<br>..<br>..<br>..<br>..<br>.. | ..<br>..<br>..<br>..<br>..<br>..<br>..<br>..<br>.. | 17,998<br>..<br>..<br>..<br>..<br>..<br>..<br>.. |
| Total .. | 7,838 | 217,708 | G 69,565<br>S 237,501 | .. | 1,20,291 | 41,517 | 567,656 | G 54,672<br>S 787,247 | ..<br>.. | 2,11,801 |

G = Goats. S = Sheep. X = Young ones at half rates. C.L. = Cart loads.

The full rates are 6 annas per buffalo, 3 annas per cow and annas 1-6 per sheep.

(*a*) The enhanced rates are 8 annas per buffalo, 4 annas per cow or bullock and 2 annas per sheep.

(*c*) The privileged rates in the Nugur Range are 4 annas per buffalo, 2 annas per cow or bullock, 1 anna 3 pies per goat, 1 anna per sheep and 2 annas per horse.

(*e*) The enhanced rates are 12 annas per buffalo and 6 annas per cow or bullock and 3 annas per sheep.

(*g*) The full rates in Gódávari, Lower, are 4 annas per buffalo and 2 annas per cow or bullock.

(*i*) The rates are 1 anna 6 pies per cow and 9 pies per sheep.

(*k*) Penning fees.

(*m*) 80 cows at As. 1-6 and 138 at 1 anna.

(*o*) Cows or bullocks at As. 4, sheep As. 2 and goats As. 4.

(*q*) Includes value of chits for fodder grass and leaves and excess remittance by Grazing permit issuing gumastahs.

(*s*) At As. 8.

(*u*) At As. 12 per buffalo, As. 6 per cow and As. 3 per goat or sheep.
Plough bulloks at Re. 1.

FORM No. 74.

*Madras Presidency.*

State forests during 1910-1911.

| of animals. At privileged rates. Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Fees received. Actual. | Fees received. Value at full rates. | Grazing free. Number of animals. By right under settlement. Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Value of fees at full rates. | During pleasure of Government or otherwise than under settlement. Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Value of fees at full rates. | Total value of fees at full rates. | Grand total of value at full rates. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| | | | | RS. | RS. | | | | | RS. | | | | | RS. | RS. | RS. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 11,944 |
| .. | .. | .. | .. | | .. | .. | 200 | .. | .. | 38 | .. | 4,620 | .. | .. | 866 | 904 | 6,081 |
| (c) & (y) 4,873 | (c) & (z) 25,687 | (c) G 3,529 (c) S 2,462 | .. | 4,859 | 7,205 } | .. | .. | .. | .. | .. | 2,217 | 22,660 | .. | .. | 5,080 | 5,080 | 20,028 |
| (d) 4,708 | (d)21,963 | (d) S 7,901 | .. | 2,208 | 6,624 } | | | | | | | | | | | | |
| (f) 493 | (f)14,090 | .. | .. | 911 | 1,884 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 7,467 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 12,496 |
| .. | .. | .. | .. | .. | .. | 157 | 235 { | G 762 1,140 } | .. | 281 | .. | .. | .. | .. | .. | 281 | 2,776 |
| .. | .. | .. | .. | . | .. | 2 { | 21 (X) 26 | } G 66 | .. | 13 | .. | .. | .. | .. | .. | 13 | 20,467 |
| .. | .. | .. | .. | .. | .. | .. | 1,491 | S 3,303 | .. | 589 | .. | .. | .. | .. | .. | 589 | 23,139 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 40,459 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 20,993 |
| 10,074 | 61,740 | G 3,529 S 10,363 | } .. | 7,978 | 15,713 | 159 | 1,947 (X) 26 | S 4,443 G 828 | .. | 921 | 2,217 | 27,280 | .. | .. | 5,946 | 6,867 | 1,65,850 |
| .. | .. | .. | . | .. | . | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3,589 |
| .. | 72 | S 200 | .. | 16 | 32 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | } 22,627 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | (m) 218 | (n) 699 | .. | 43 | 106 | .. | 522 | .. | .. | 98 | .. | .. | .. | .. | .. | .. | } 18,821 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | } (p)48,939 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 84 | .. | .. | 16 | 16 | } 12,830 |
| 150 | 1,701 | .. | .. | 188 | 375 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | } (q)47,378 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | } 22,960 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | } 27,035 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | } 34,417 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 23,323 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 14,252 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | } 71,208 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| 150 | 1,991 | S 899 | .. | 247 | 513 | .. | 522 | .. | .. | 98 | .. | 84 | .. | .. | 16 | 16 | 3,43,790 |

The enhanced rates are As. 8 per buffalo, As. 4 per cow or bullock and As. 2 per sheep.

(b) The enhanced rates are 8 annas per buffalo, 5 annas per bullock or cow for alien cattle in the Nugur Range.

(d) The privileged rates in the Bhadráchallam, Marrigudem and Rékapalle Ranges are 2 annas per buffalo, 1 anna per cow and 6 pies per sheep.

(f) The privileged rates are 1 anna per buffalo and 1 anna per bullock or cow.

(h) The enhanced rates are 1 rupee per bullock and 4 annas per goat.

(j) The rate is 9 pies per cow.

(l) Recovery of short collection during previous year.

(n) 349 sheep at 9 pies and 350 at 6 pies.

(p) Includes kancha rent and value of chits for fodder grass and leaves and advance payments made by grazing permit issuing gumastahs.

(r) 94 cows at As. 4 for grazing in 2 blocks, 45 at As. 5 for grazing in 3 blocks and 38 at As. 6 for grazing in casuarina plantation and 137 sheep at As. 2-6 for grazing in three blocks.

(t) At As. 8 per buffalo, As. 4 per cow and As. 2 per goat or sheep.

Return of Grazing in the

| District. | Grazing on payment. At enhanced rates. Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Fees received. | At full rates Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Fees received. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| SOUTHERN CIRCLE. | | | | | RS. | | | | | RS. |
| *Reserved forests.* | | | | | | | | | | |
| South Canara .. .. | .. | .. | .. | .. | .. | 5,061 | 37,284 | .. | .. | 8,888 |
| Malabar, North .. .. | .. | .. | .. | .. | .. | 984<br>(c) 2,309 | 2,160<br>4,331 | .. | .. | 774<br>839 |
| Do. South .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | (f) 3 |
| The Nilgiris .. .. | .. | ‡ 968<br>(d) 50 | .. | .. | 496 | 8,085<br>(d) 25 | 15,584<br>(d) 611 | S. 846 | 152 | 6,124<br>(a) 199 |
| Kollegal * .. .. | 587<br>† 722 | 11,187<br>35,613 | S. 2,072<br>S. 3,645 | ..<br>.. | 3,349<br>2,430 | .. | .. | .. | .. | .. |
| Coimbatore, North * .. | 1,083<br>† 3,776 | 16,677<br>57,202 | S. 11,629<br>S. 16,057 | 12<br>.. | 6,167<br>4,549<br>(a) 210<br>(b) 12 | .. | .. | .. | .. | .. |
| Do. Central .. | .. | .. | .. | .. | . | 137<br>(e) 10 | 8,946<br>9,615 | S. 5,837<br>S. 2,144 | ..<br>.. | 2,276<br>502<br>(g) 1,256<br>(a) 148<br>(h) — 915 |
| Do. South .. | .. | .. | .. | .. | .. | 128<br>(c) 85 | 2,600<br>9,395 | S. 970<br>S. 120 | (l) 5<br>.. | 676<br>451<br>(a) 367<br>(g) 79<br>(h) — 252 |
| Madura * .. .. .. | 245 | 67,769 | G. 45,673<br>S. 46,634 | 29 | 45,738 | .. | .. | .. | .. | .. |
| Rámnád .. .. .. | .. | .. | .. | .. | .. | ..<br>(c) .. | 355<br>3,007 | S. 667<br>S. 6,245 | .. | 129<br>575<br>(i) 5 |
| Tinnevelly .. .. .. | .. | .. | .. | .. | .. | 141<br>(c) 27 | 2,229<br>4,768 | S. 5,364<br>S. 10,173 | .. | 974<br>929 |
| Total .. | 6,413 | 189,466 | G 45,673<br>S. 80,037 | 41 | 62,951 | 16,992 | 100,885 | 32,366 | 157 | 24,027 |
| *Reserved lands.* | | | | | | | | | | |
| The Nilgiris .. .. | . | ‡ 284 | .. | .. | 142 | 693 | 670 | .. | .. | 385 |
| Kollegal * .. .. | 35<br>† 374 | 523<br>7,139 | S. 4<br>S. 99 | ..<br>.. | 149<br>496 | .. | .. | .. | .. | .. |
| Total .. | 409 | 7,946 | 103 | .. | 787 | 693 | 670 | .. | .. | 385 |
| Grand Total, Presidency .. | 43,797 | 568,351 | S. 342,729<br>G. 120,751 | 41 | 2,45,012 | 104,374 | 907,909 | S 1,2,22,512<br>G 1,46,835 | 157 | 3,44,017 |

Full rates :—As. 6 per buffalo, As. 3 per cow, bullock or other animals and As. 1-6 per sheep.
(a) Sale-proceeds of fodder grass.
(c) Half of the full rates owing to change of grazing season.
(e) One-quarter of the full rates owing to change of grazing season.
(g) Advance received from Permit Issuing Officers for purchase of permits.
(i) Penning license fee.
(k) As. 3 per 100 per diem.
S = Sheep. G = Goats.
* As. 8 per buffalo and goat, As. 4 per cow, bullock or other animals and As. 2 per sheep.
† One-quarter of the above rates owing to change of grazing season.
‡ As. 8 per cow or bullock.

State forests during 1910-1911—*cont.*

| of animals. | | | | | | Grazing free. Number of animals. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| At privileged rates.* | | | | | | By right under settlement. | | | | | During pleasure of Government or otherwise than under settlement. | | | | | | Grand total of value at full rates. |
| Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Fees received. | | Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Value of fees at full rates. | Buffaloes. | Cows and bullocks. | Goats and sheep. | Other animals. | Value of fees at full rates. | Total value of fees at full rates. | |
| | | | | Actual. | Value at full rates. | | | | | | | | | | | | |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| | | | | RS. | RS. | | | | | | | | | | RS. | RS. | RS. |
| (j) 4,435 | (j) 3,937 | .. | .. | 1,570 | 2,401 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 11,289 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | . | .. | .. | .. | .. | .. | .. | .. | 1,613 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 |
| .. | (k) 199 | S. (k) 1,236 | .. | 8 | 153 | .. | .. | .. | .. | .. | 66 | 20 | .. | .. | 28 | 28 | 7,000 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 5,779 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 10,938 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3,267 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1,321 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 45,738 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 709 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1,903 |
| 4,435 | 4,136 | 1,236 | .. | 1,578 | 2,554 | .. | .. | .. | .. | .. | 66 | 20 | .. | .. | 28 | 28 | 89,560 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1,515 | .. | .. | .. | 568 | 568 | 1,095 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 645 |
| .. | .. | . | .. | .. | .. | .. | .. | .. | .. | .. | 1,515 | .. | .. | .. | 568 | 568 | 1,740 |
| 14,659 | 67,867 | S 12,498<br>G 3,529 | .. | 9,803 | 18,780 | 159 | 2,495 | S4,443<br>G 828 | .. | 1,019 | 3,798 | 27,384 | .. | .. | 6,520 | 7,451 | 6,04,529 |

(*b*) Excess collection.
(*d*) Calves, half rates.
(*f*) Sale of permits.
(*h*) Advance received from Permit Issuing Officers adjusted during the year.
(*j*) As. 3 per buffalo, cow or bullock.
(*l*) Elephants, Rs. 10 each.

Abstract of animals permitted to grazing in reserved forests and reserved lands on *payment*.

| Circles. | Buffaloes and calves. | Bullocks and calves. | Sheep. | Goats. | Other animals. | Total. |
|---|---|---|---|---|---|---|
| Northern Circle .. .. | 84,383 | 453,669 | 438,350 | 101,205 | . | 1,077,607 |
| Central Circle .. .. | 49,505 | 787,355 | 1,025,647 | 124,237 | .. | 1,986,744 |
| Southern Circle .. .. | 28,942 | 303,103 | 113,742 | 45,673 | 198 | 491,658 |
| Total .. | 162,830 | 1,544,127 | 1,577,739 | 271,115 | 198 | 3,556,009 |

## Annual Form No. 75.

*Forest Department, Madras Presidency.*

Artificial reproduction, 1910–1911.

| District. | Area in acres. On 1st July 1910. | Added during the year. | Excluded during the year. | Area on 30th June 1911. | Expenditure during the year. Creation. | Upkeep. | Total expenditure from commencement. Creation. | Upkeep. | Revenue during the year. | Total revenue from date of creation of plantation. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| **Northern Circle.** | | | | | | | | | | |
| *A.—Regular Plantations.* | | | | | | | | | | |
| | | | | | RS. | RS. | RS. | RS. | RS. | RS. |
| Ganjám | 348 | 64 | 61 | 351 | 442 | 662 | 34,342 | 8,387 | 477 | 11,842 |
| Vizagapatam | 78 | .. | .. | 78 | .. | .. | .. | 5 | .. | 1,575 |
| Gódávari, Lower | 831 | 74 | 49 | 856 | 3,047 | 3,851 | 41,804 | 17,214 | 11,665 | 58,326 |
| Kistna | 1,117 | 75 | (a) 71 | 1,121 | 560 | 11,997 | 18,754 | 40,491 | 5,048 | 50,368 |
| Kurnool, East | 39 | 33 | 1 | 71 | 2,778 | 992 | 28,600 | 17,289 | .. | .. |
| Do. South | .. | .. | .. | .. | 310 | .. | 310 | .. | .. | .. |
| Do. West | 565 | 203 | 77 | 691 | 37,469 | 3,707 | 1,63,679 | 19,458 | 120 | 842 |
| Bellary | 346 | 100 | .. | 446 | 1,133 | 15,277 | 7,031 | 54,537 | .. | .. |
| Total | 3,324 | 549 | 259 | 3,614 | 45,739 | 36,486 | 2,94,520 | 1,57,381 | 17,310 | 1,22,953 |
| **Central Circle.** | | | | | | | | | | |
| *A.—Regular Plantations.* | | | | | | | | | | |
| Cuddapah, North | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. East | ,496 | .. | .. | 1,496 | .. | * 345 | Not known. | | 73 | Not known. |
| Nellore | 5,265 | 50 | .. | 5,315 | 17,130 | .. | 1,20,829 | .. | 31,817 | 3,83,831 |
| Chingleput | 306 | 36 | .. | 342 | 3,185 | 424 | 5,084 | 3,628 | 1,069 | 9,154 |
| Arcot, North | 1,175 / (a) * 25 | .. | .. | 1,175 / * 25 | 2,010 | 504 | 10,108 | 1,28,193 | 4,058 | 60,582 |
| Chittoor | 19 | .. | .. | 19 | .. | 107 | 315 | 550 | .. | .. |
| Arcot, South | 932 | 232 | .. | 1,164 | 5,319 | 504 | 32,098 | 3,228 | 10,188 | 1,31,653 |
| Salem, North | Transferred to cultural operations. | | | | | | | | | |
| Do. South | 552 | .. | .. | 552 | .. | .. | 34,952 | 8,530 | 658 | 9,372 |
| Trichinopoly | † 619 | 140 | .. | 759 | 1,360 | 1,431 | † 33,111 | † 6,872 | 2,787 | † 14,530 |
| Guntúr | 1,836 | 533 | 140 | 2,229 | 12,829 | 71 | 44,580 | 5,512 | 3,552 | 15,295 |
| Total | 12,225 | 991 | 140 | 13,076 | 41,833 | 3,386 | 2,81,077 | 1,56,523 | 54,202 | 6,24,417 |
| **Southern Circle.** | | | | | | | | | | |
| *A.—Regular Plantations.* | | | | | | | | | | |
| South Canara | 122 | .. | .. | 122 | .. | 172 | 2,263 | 6,708 | 1,590 | 17,292 |
| Malabar, North | 870 | .. | .. | 870 | .. | 381 | 15,164 | 16,763 | .. | .. |
| Do. South | 6,115 | 136 | .. | 6,251 | 3,422 | 4,376 | 5,34,051 | 5,11,412 | 79,689 | 14,52,493 |
| The Nilgiris | 1,687 | 74 | .. | 1,761 | 3,820 | 967 | 4,950 | 2,76,158 | 28,324 | 4,63,875 |
| Coimbatore, Central | 449 | 35 | .. | 484 | 57 | 47 | 315 | 184 | .. | .. |
| Do. South | 63 | 30 | .. | 93 | 1,256 | 273 | 8,240 | 431 | .. | .. |
| Madura | 348 / ‡ –10 | 81 | .. | 419 | 8,271 | .. | 14,271 | 481 | 341 | 1,531 |
| Tinnevelly | 1,632 | 115 | .. | 1,747 | 570 | 589 | 3,210 | 3,821 | .. | .. |
| Total | 11,276 | 471 | .. | 11,747 | 17,396 | 6,805 | 5,82,464 | 8,15,958 | 1,04,944 | 19,35,191 |
| Grand Total, Plantations, Presidency. | 26,825 | 2,011 | 399 | 28,437 | 104,968 | 46,677 | 11,58,061 | 11,29,862 | 1,76,456 | 26,82,561 |
| **Northern Circle.** | | | | | | | | | | |
| *B.—Taungya Plantations.* | | | | | | | | | | |
| Gódávari, Upper | 125 | .. | .. | 125 | .. | .. | 1,826 | 586 | .. | 934 |
| **Central Circle.** | | | | | | | | | | |
| *B.—Taungya Plantations.* | | | | | | | | | | |
| Arcot, North | 1,313 | .. | .. | 1,313 | 42 | .. | .. | 637 | .. | .. |
| Chittoor | 123 | .. | .. | 123 | .. | 567 | .. | * 1,889 | .. | .. |
| Trichinopoly | 595 | .. | .. | 595 | .. | .. | .. | .. | 3,838 | .. |
| Total | 2,031 | .. | .. | 2,031 | 42 | 567 | .. | 2,526 | 3,838 | .. |

(a) Includes 4 acres transferred in 1909–10 to the Revenue Department being Bandar Taluk office compound.

* Revised figure. † Revised figures furnished by the Collector. ‡ Deducted from opening balance by the Collector.

## Artificial reproduction, 1910-1911—*cont.*

| District. | Area in acres. | | | | Expenditure during the year. | | Total expenditure from commencement. | | Revenue during the year. | Total revenue from date of creation of plantation. |
|---|---|---|---|---|---|---|---|---|---|---|
| | On 1st July 1910. | Added during the year. | Excluded during the year. | Area on 30th June 1911. | Creation. | Upkeep. | Creation. | Upkeep. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| **SOUTHERN CIRCLE.** | | | | | | | | | | |
| *B.—Taungya Plantations.* | | | | | RS. | RS. | RS. | RS. | RS. | RS. |
| South Canara .. .. .. .. | 181 | 183 | .. | 364 | .. | .. | 46 | .. | .. | .. |
| Malabar, North .. .. .. .. | 56 | 350 | .. | 406 | .. | 53 | .. | 10,562 | 530 | 4,320 |
| Tinnevelly .. .. .. .. | 15 | .. | 14 | 1 | .. | 7 | .. | 7 | .. | .. |
| Total .. | 252 | 533 | 14 | 771 | .. | 60 | 46 | 10,569 | 530 | 4,320 |
| Total, Taungya Plantations, Presidency. | 2,408 | 533 | 14 | 2,927 | 42 | 627 | 1,872 | 13,681 | 4,368 | 5,254 |
| **NORTHERN CIRCLE** | | | | | | | | | | |
| *C.—Cultural Operations.* | | | | | | | | | | |
| Ganjám .. .. .. .. .. | 20 | 233 | .. | 253 | 1,574 | .. | 1,643 | .. | .. | .. |
| Vizagapatam .. .. .. .. | .. | 20 | .. | 20 | 41 | 9 | 223 | 18 | .. | .. |
| Gódávari, Upper .. .. .. .. | 829 | .. | .. | 829 | 118 | 425 | 2,162 | 608 | .. | 145 |
| Do. Lower .. .. .. .. | 1,772 | 242 | .. | 2,014 | 307 | 144 | 2,035 | 924 | .. | .. |
| Kistna .. .. .. .. .. | 1,392 | 1,068 | .. | 2,460 | 1,523 | 485 | 3,284 | 1,844 | 7,488 | 18,954 |
| Kurnool, East .. .. .. | 140 | 24 | 140 | 24 | 611 | 382 | 8,471 | 382 | .. | .. |
| Do. South .. .. .. | 77 | 24 | .. | 101 | 421 | 185 | 2,753 | 372 | .. | .. |
| Do. West .. .. .. .. | 630 | 579 | .. | 1,209 | 4,388 | .. | 4,808 | .. | .. | .. |
| Bellary .. .. .. .. .. | 9,619 | 8,565 | .. | 18,184 | 23,775 | .. | 68,528 | .. | .. | .. |
| Anantapur .. .. .. .. | 51,606 | 6,636 | .. | 58,242 | 14,135 | .. | 31,106 | .. | .. | 274 |
| Total .. | 66,085 | 17,391 | 140 | 83,336 | 46,893 | 1,630 | 1,25,013 | 4,148 | 7,488 | 19,373 |
| **CENTRAL CIRCLE.** | | | | | | | | | | |
| *C.—Cultural Operations.* | | | | | | | | | | |
| Cuddapah, North .. .. .. .. | 112 | 575 | .. | 687 | 145 | .. | 181 | 112 | .. | .. |
| Do. East .. .. .. .. | 88 | 215 | .. | 303 | 360 | .. | 492 | * 163 | .. | .. |
| Nellore .. .. .. .. .. | 445 | 38 | .. | 483 | 297 | .. | 1,902 | .. | .. | .. |
| Chingleput .. .. .. .. | 7,430 | 3,172 | .. | 10,602 | 536 | 390 | 2,256 | 3,422 | .. | .. |
| Arcot, North .. .. .. .. | 1,071 | .. | .. | 1,071 | .. | 60 | 174 | 419 | .. | .. |
| Chittoor .. .. .. .. .. | 80 | 68 | .. | 148 | 74 | 110 | 188 | 231 | .. | .. |
| Arcot, South .. .. .. .. | 1,294 | 703 | .. | 1,997 | 509 | .. | 923 | 487 | .. | .. |
| Salem, North .. .. .. .. | 585 | .. | .. | 585 | 774 | 107 | 13,213 | 20,540 | 549 | 6,875 |
| Do. South .. .. .. .. | 216 | 230 | .. | 446 | 683 | 90 | 1,270 | 721 | 15 | 76 |
| Trichinopoly .. .. .. .. | * 1,883 | 120 | 60 | 1,943 | 325 | .. | 388 | 3,517 | .. | .. |
| Guntúr .. .. .. .. .. | 1 | .. | .. | 1 | 2 | .. | 32 | .. | .. | .. |
| Total .. | 13,205 | 5,121 | 60 | 18,266 | 3,705 | 757 | 21,019 | 29,612 | 564 | 6,951 |
| **SOUTHERN CIRCLE.** | | | | | | | | | | |
| *C.—Cultural Operations.* | | | | | | | | | | |
| South Canara .. .. .. .. | 2 | .. | .. | 2 | .. | 62 | 199 | 206 | .. | .. |
| Malabar, North .. .. .. .. | 139 | .. | .. | 139 | .. | 72 | .. | 6,282 | .. | .. |
| Do. South .. .. .. .. | 187 | 25 | .. | 212 | 169 | 244 | 2,044 | 877 | .. | .. |
| The Nilgiris .. .. .. .. | 493 | 5 | .. | 498 | 149 | 71 | 311 | 29,006 | .. | .. |
| Kollegal .. .. .. .. .. | .. | 1,870 | .. | 1,870 | 42 | .. | 42 | .. | .. | .. |
| Coimbatore, North † .. .. .. | 10,835 | 3,847 | .. | 14,682 | .. | .. | .. | .. | .. | 37 |
| Do. Central .. .. .. | 107 | 98 | .. | 205 | 118 | .. | 662 | 89 | .. | .. |
| Do. South .. .. .. | 473 | .. | .. | 473 | 171 | 517 | 1,858 | 893 | 106 | 106 |
| Madura .. .. .. .. .. | 748 | 120 | .. | 868 | 497 | .. | 2,741 | 470 | .. | .. |
| Rámnád .. .. .. .. .. | 451 | 78 | .. | 529 | 121 | .. | 657 | .. | .. | .. |
| Tinnevelly .. .. .. .. | 1,370 | 420 | .. | 1,790 | 396 | 25 | 2,687 | 96 | .. | .. |
| Total .. | 14,805 | 6,463 | .. | 21,268 | 1,663 | 991 | 11,201 | 37,919 | 106 | 143 |
| Total, Cultural Operations, Presidency. | 94,095 | 28,975 | 200 | 122,870 | 52,261 | 3,378 | 1,57,233 | 71,679 | 8,158 | 26,467 |
| Grand Total, Presidency Plantations, Taungya and Cultural Operations. | 1,23,328 | 31,519 | 613 | 154,234 | 1,57,271 | 50,682 | 13,17,166 | 12,15,222 | 1,88,982 | 27,14,282 |

* Revised figures furnished by the Collector.

† Dibbling seeds in coupes done by subordinates free of cost.

ANNUAL
*Forest Department,*
OUTTURN (in cubic feet solid) of Timber, Fuel and Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | C. FT. | C. FT. | C. FT. | | C. FT. | C. FT. | C. FT. |
| NORTHERN CIRCLE. | | | | | | | |
| *Ganjám.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Sâl .. .. .. .. | 37,332 | 20 | .. | .. | 37,352 | .. | .. |
| Miscellaneous .. .. .. | 1,445 | 223 | 19,190 | .. | 20,858 | .. | .. |
| Total .. | 38,777 | 243 | 19,190 | .. | 58,210 | 322,690 | 10,423 |
| Unreserved lands— | | | | | | | |
| Sâl .. .. .. .. | 3,955 | 6,723 | .. | .. | 10,678 | .. | .. |
| Miscellaneous .. .. .. | 880 | 128,254 | 11,130 | .. | 140,264 | .. | .. |
| Total .. | 4,835 | 134,977 | 11,130 | .. | 150,942 | .. | 107,030 |
| Total, Ganjám .. | (a) 43,612 | (b) 135,220 | 30,320 | .. | 209,152 | (c) 322,690 | (d) 117,453 |
| *Vizagapatam.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. .. | 1,711 | 401 | 560 | .. | 2,672 | 86,891 | 76,367 |
| Unreserved lands— | | | | | | | |
| Yegisi .. .. .. .. | 374 | .. | .. | .. | 374 | .. | .. |
| Maddi .. .. .. .. | 166 | .. | .. | .. | 166 | .. | .. |
| Miscellaneous .. .. .. | 209 | 18,713 | .. | .. | 18,922 | .. | .. |
| Total .. | 749 | 18,713 | .. | .. | 19,462 | .. | 57,715 |
| Total, Vizagapatam .. | 2,460 | 19,114 | 560 | .. | 22,134 | 86,891 | 134,082 |
| *Upper Gódávari.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak .. .. .. .. | 2,667 | 8,410 | .. | .. | 11,077 | .. | .. |
| Yepi .. .. .. .. | 3,205 | .. | .. | .. | 3,205 | .. | .. |
| Yegisi .. .. .. .. | 144 | .. | .. | .. | 144 | .. | .. |
| Miscellaneous .. .. .. | 1,128 | 1,000 | .. | .. | 2,128 | .. | .. |
| Total .. | 7,144 | 9,410 | .. | .. | 16,554 | .. | .. |
| Unreserved lands— | | | | | | | |
| Teak .. .. .. .. | 269 | 124 | .. | .. | 393 | .. | .. |
| Yegisi .. .. .. .. | 63 | 3,352 | 620 | .. | 4,035 | .. | .. |
| Maddi .. .. .. .. | .. | 5,519 | 6,090 | .. | 11,609 | .. | .. |
| Miscellaneous .. .. .. | 1,599 | 26,503 | 18,171 | .. | 46,273 | .. | .. |
| Total .. | 1,931 | 35,498 | 24,881 | .. | 62,310 | 18,711 | 28,242 |
| Total, Upper Gódávari .. | 9,075 | 44,908 | 24,881 | .. | 78,864 | 18,711 | 28,242 |
| *Lower Gódávari.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak .. .. .. .. | 283 | .. | .. | .. | 283 | .. | .. |
| Yegisi .. .. .. .. | 9 | .. | .. | .. | 9 | .. | .. |
| Maddi .. .. .. .. | 162 | .. | .. | .. | 162 | .. | .. |
| Miscellaneous .. .. .. | 2,782 | .. | .. | .. | 2,782 | .. | .. |
| Total .. | 3,236 | .. | .. | .. | 3,236 | 559,022 | 660 |
| Unreserved lands— | | | | | | | |
| Yegisi .. .. .. .. | .. | 2,967 | .. | .. | 2,967 | .. | .. |
| Maddi .. .. .. .. | .. | 20 | .. | .. | 20 | .. | .. |
| Miscellaneous .. .. .. | 165 | 174,480 | 3,048 | .. | 177,693 | .. | .. |
| Total .. | 165 | 177,467 | 3,048 | .. | 180,680 | .. | 169,923 |
| Total, Lower Gódávari .. | 3,401 | 177,467 | 3,048 | .. | 183,916 | 559,022 | 170,583 |

(a) Excludes 1020 cubic feet of Parlákimedi maliahs.
(b) Do. 1,718 do.
(c) Do. 40 do.
(d) Do. 19,260 do.

FORM No. 76.

*Madras Presidency.*

(in number) during the year 1910–1911, and Agency of Exploitation.

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free-grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | C. FT. | C. FT. | NO. | NO. | NO. | | NO. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 333,113 | 391,323 | 945,458 | 8,290 | 86,400 | .. | 1,040,148 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 107,030 | 257,972 | .. | 99,935 | 23,710 | .. | 123,645 |
| .. | .. | 440,143 | 649,295 | 945,458 | (e) 108,225 | 110,110 | .. | 1,163,793 |
| .. | .. | 163,258 | 165,930 | 1,098,453 | 545,907 | 890 | | 1,645,250 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 57,715 | 77,177 | 400 | 3,218 | .. | .. | 3,618 |
| .. | .. | 220,973 | 243,107 | 1,098,853 | 549,125 | 890 | .. | 1,648,868 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | 16,554 | 13,900 | 712,927 | .. | .. | 726,827 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 46,953 | 109,263 | 200 | 140,800 | 500 | .. | 141,500 |
| .. | .. | 46,953 | 125,817 | 14,100 | 853,727 | 500 | .. | 868,327 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 559,682 | 562,918 | 20,900 | 59,000 | .. | .. | 79,900 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 169,923 | 350,603 | 2,000 | 6,746,376 | .. | .. | 6,748,376 |
| .. | .. | 729,605 | 913,521 | 22,900 | 6,805,376 | .. | .. | 6,828,276 |

(e) 15,200 bamboos of Parlákimedi maliahs.

Outturn (in cubic feet solid) of Timber, Fuel and Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. |
| NORTHERN CIRCLE—*cont.* | | | | | | | |
| *Kistna.* | | | | | | | |
| Reserved forests— Miscellaneous .. .. .. | 6,047 | 7,910 | .. | .. | 13,957 | 1,114,190 | 81,240 |
| Reserved lands— Miscellaneous .. .. .. | 840 | .. | .. | .. | 840 | .. | 10 |
| Unreserved lands— Miscellaneous .. .. .. | 1,485 | 69,941 | 3,899 | .. | 75,325 | .. | 88,682 |
| Total, Kistna .. | 8,372 | 77,851 | 3,899 | .. | 90,122 | 1,114,190 | 169,932 |
| *Kurnool, East.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak .. .. .. .. | 1,313 | .. | .. | .. | 1,313 | .. | .. |
| Yegi .. .. .. .. | 3,155 | .. | .. | .. | 3,155 | .. | .. |
| Miscellaneous .. .. .. | 3,777 | .. | .. | .. | 3,777 | .. | .. |
| Total .. | 8,245 | .. | .. | .. | 8,245 | 62,487 | .. |
| Unreserved lands— Miscellaneous .. .. .. | .. | .. | .. | .. | .. | .. | 54,940 |
| Total, Kurnool, East .. | 8,245 | .. | .. | .. | 8,245 | 62,487 | 54,940 |
| *Kurnool, South.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak .. .. .. .. | 6,138 | .. | .. | .. | 6,138 | .. | .. |
| Maddi .. .. .. .. | 3,699 | .. | .. | .. | 3,699 | .. | .. |
| Yegi .. .. .. .. | 3,759 | .. | .. | .. | 3,759 | .. | .. |
| Yepi .. .. .. .. | 481 | .. | .. | .. | 481 | .. | .. |
| Miscellaneous .. .. .. | 30,457 | 26 | 3,456 | .. | 33,939 | .. | .. |
| Total .. | 44,534 | 26 | 3,456 | .. | 48,016 | 834,153 | 84 |
| Unreserved lands— Miscellaneous .. .. .. | 122 | 6,560 | 400 | .. | 7,082 | 36,202 | 40,820 |
| Total, Kurnool, South .. | 44,656 | 6,586 | 3,856 | .. | 55,098 | 870,355 | 40,904 |
| *Kurnool, West.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak .. .. .. .. | 3,824 | .. | .. | .. | 3,824 | .. | .. |
| Yegi .. .. .. .. | 9,856 | .. | .. | .. | 9,856 | .. | .. |
| Maddi .. .. .. .. | 1,734 | .. | .. | .. | 1,734 | .. | .. |
| Miscellaneous .. .. .. | 69,467 | 11,460 | 3,087 | 787 | 84,801 | .. | .. |
| Total .. | 84,881 | 11,460 | 3,087 | 787 | 100,215 | 806,677 | .. |
| Unreserved lands— Miscellaneous .. .. .. | .. | 3,840 | .. | .. | 3,840 | .. | 132,320 |
| Total, Kurnool, West .. | 84,881 | 15,300 | 3,087 | 787 | 104,055 | 806,677 | 132,320 |
| *Bellary.* | | | | | | | |
| Reserved forests— Miscellaneous .. .. .. | 10,113 | .. | 527 | .. | 10,640 | 299,321 | .. |
| Leased forests— Teak .. .. .. .. | 675 | .. | .. | .. | 675 | 625 | .. |
| Unreserved lands— Miscellaneous .. .. .. | 1,365 | 90,740 | 4,346 | .. | 96,451 | 3,240 | 159,027 |
| Total, Bellary .. | 12,153 | 90,740 | 4,873 | .. | 107,766 | 303,186 | 159,027 |
| *Anantapur.* | | | | | | | |
| Reserved forests— Miscellaneous .. .. .. | 1,438 | 8,565 | 1,170 | .. | 11,173 | 123,921 | 6,840 |
| Unreserved lands— Miscellaneous .. .. .. | 2,409 | 208,260 | 315 | .. | 210,984 | 354,696 | 52,562 |
| Total, Anantapur .. | 3,847 | 216,825 | 1,485 | .. | 222,157 | 478,617 | 59,402 |

(in number) during the year 1910-1911, and Agency of Exploitation—*cont.*

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free-grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | C. FT. | C. FT. | C. FT. | NO. | NO. | NO. | NO. | NO. |
| .. | .. | 1,195,430 | 1,209,387 | 40,225 | 156,710 | .. | .. | 196,935 |
| .. | .. | 10 | 850 | .. | .. | .. | .. | .. |
| .. | .. | 88,682 | 164,007 | .. | .. | .. | .. | .. |
| .. | .. | 1,284,122 | 1,374,244 | 40,225 | 156,710 | .. | .. | 196,935 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 62,487 | 70,732 | 296,780 | .. | .. | .. | 296,780 |
| .. | .. | 54,940 | 54,940 | .. | .. | .. | .. | .. |
| .. | .. | 117,427 | 125,672 | 296,780 | .. | .. | .. | 296,780 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 834,237 | 882,253 | 933,290 | .. | .. | .. | 933,290 |
| .. | .. | 77,022 | 84,104 | 14,600 | .. | .. | .. | 14,600 |
| .. | .. | 911,259 | 966,357 | 94,8790 | .. | .. | .. | 947,890 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 154,506 | 961,183 | 1,061,398 | 3,370,898 | 4,920 | 10,100 | 12,293 | 3,398,211 |
| .. | .. | 132,320 | 136,160 | .. | .. | .. | .. | .. |
| .. | 154,506 | 1,093,503 | 1,197,558 | 3,370,898 | 4,920 | 10,100 | 12,293 | 3,398,211 |
| .. | .. | 299,321 | 309,961 | .. | .. | .. | .. | .. |
| .. | .. | 625 | 1,300 | 11,200 | .. | .. | .. | 11,200 |
| .. | .. | 162,267 | 258,718 | .. | 3,212 | .. | .. | 3,212 |
| .. | .. | 462,213 | 569,979 | 11,200 | 3,212 | .. | .. | 14,412 |
| .. | .. | 130,761 | 141,934 | 19,219 | .. | .. | .. | 19,219 |
| .. | .. | 407,258 | 618,242 | .. | 3,104 | .. | .. | 3,104 |
| .. | .. | 538,019 | 760,176 | 19,219 | 3,104 | .. | .. | 22,323 |

Outturn (in cubic feet solid) of Timber, Fuel and Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | ABS |
| NORTHERN CIRCLE—*cont.* | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. |
| Reserved forests, Reserved lands and Unreserved lands— | | | | | | | |
| Sal (*Shorea robusta*) .. .. | 41,287 | 6,743 | .. | .. | 48,030 | .. | .. |
| Teak (*Tectona grandis*) .. | 15,169 | 8,534 | .. | .. | 23,703 | .. | .. |
| Yegisi (*Pterocarpus marsupium*). | 17,360 | 6,319 | 620 | .. | 24,299 | .. | .. |
| Yepi (*Hardwickia binata*) .. | 3,686 | .. | .. | .. | 3,686 | .. | .. |
| Maddi (*Terminalia tomentosa*). | 5,761 | 5,539 | 6,090 | .. | 17,390 | .. | .. |
| Miscellaneous .. .. | 137,439 | 756,876 | 69,299 | 787 | 964,401 | .. | .. |
| Grand Total .. | 220,702 | 784,011 | 76,009 | 787 | 1,081,509 | 4,622,826 | 1,066,885 |
| CENTRAL CIRCLE. | | | | | | | |
| *North Cuddapah.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. .. | 16,931 | 21,770 | 1,300 | .. | 40,001 | 655,779 | 261,667 |
| *East Cuddapah.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. .. | 19,873 | 100 | 819 | .. | 20,792 | 923,487 | .. |
| Unreserves— | | | | | | | |
| Miscellaneous .. .. .. | .. | 5,805 | .. | .. | 5,805 | .. | 19,035 |
| Total, East Cuddapah .. | 19,873 | 5,905 | 819 | . | 26,597 | 923,487 | 19,035 |
| *Nellore.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. .. | 3,963 | 3,278 | 500 | .. | 7,741 | 669,844 | 203,177 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | 66,369 | 9,346 | .. | 75,715 | .. | 15,120 |
| Total .. | 3,963 | 69,647 | 9,846 | .. | 83,456 | 669,844 | 218,297 |
| *Chingleput.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. .. | 2,280 | 2,514 | .. | .. | 4,794 | 116,892 | 1,125 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | 97,738 | 13 | .. | * 97,751 | .. | 68,154 |
| Total .. | 2,280 | 100,252 | 13 | .. | 102,545 | 116,892 | 69,279 |
| *North Arcot.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Sandalwood .. .. .. | 5,520 | .. | .. | .. | .. | .. | .. |
| Miscellaneous .. .. .. | † 2,839 | .. | .. | .. | .. | .. | .. |
| Total .. | 8,359 | .. | 816 | .. | 9,175 | 1,006,613 | 98,040 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | 104,580 | .. | .. | 104,580 | .. | 134,540 |
| Total, North Arcot .. | 8,359 | 104,580 | 816 | .. | 113,755 | 1,006,613 | 232,580 |
| *Chittoor.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Red sanders .. .. .. | 3,060 | .. | .. | .. | .. | .. | .. |
| Sandalwood .. .. .. | 536 | .. | .. | .. | .. | .. | .. |
| Miscellaneous .. .. .. | 1,206 | .. | .. | .. | .. | .. | .. |
| Total .. | 4,802 | 906 | .. | .. | 5,708 | 642,681 | 26,352 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. | .. | 33,346 | 578 | .. | 33,924 | .. | 36,120 |
| Total, Chittoor .. | 4,802 | 34,252 | 578 | .. | 39,632 | 642,681 | 62,472 |

* This excludes 233 palm trees for which cubic feet were not furnished by the Collector.
† Includes 1,214 cubic feet of agricultural implements.

(in number) during the year 1910–1911, and Agency of Exploitation—*cont.*

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free-grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| TRACT. | | | | | | | | |
| C. FT. | C. FT. | C. FT. | C. FT. | NO. | NO. | NO. | NO. | NO. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 154,506 | 5,844,217 | 6,925,726 | 6,767,523 | 8,484,399 | 121,600 | 12,293 | 15,385,815 |
| .. | .. | 917,446 | 957,447 | 21,612 | 239,980 | 2,000 | .. | 263,592 |
| 48,821 | .. | 972,308 | 993,100 | 1,182 | 1,165,110 | .. | .. | 1,166,292 |
| .. | .. | 19,035 | 24,840 | .. | .. | .. | .. | .. |
| 48,821 | .. | 991,343 | 1,017,940 | 1,182 | 1,165,110 | .. | .. | 1,166,292 |
| 2,620 | .. | 875,641 | 883,382 | .. | .. | .. | .. | .. |
| .. | .. | 15,120 | 90,835 | .. | 7,940 | .. | .. | 7,940 |
| 2,620 | .. | 890,761 | 974,217 | .. | 7,940 | .. | .. | 7,940 |
| .. | .. | 118,017 | 122,811 | .. | 65,880 | .. | .. | 65,880 |
| .. | .. | 68,154 | 165,905 | .. | .. | 90 | .. | 90 |
| .. | .. | 186,171 | 288,716 | .. | 65,880 | 90 | .. | 65,970 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 1,104,653 | 1,113,828 | 13,920 | 8,401,440 | 12,350 | .. | 8,427,710 |
| .. | .. | 134,540 | 239,120 | .. | .. | .. | .. | .. |
| .. | .. | 1,239,193 | 1,352,948 | 13,920 | 8,401,440 | 12,350 | .. | 8,427,710 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 669,033 | 674,741 | 184,177 | 577,200 | 2,900 | .. | 764,277 |
| .. | .. | 36,120 | 70,044 | .. | 211 | .. | .. | 211 |
| .. | .. | 705,153 | 744,785 | 184,177 | 577,411 | 2,900 | .. | 764,488 |

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CENTRAL CIRCLE—*cont.* | C. FT. | C. FT. | C. FT. | | C. FT. | C. FT. | C. FT. |
| *South Arcot.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. .. | 4,925 | 692 | .. | .. | 5,617 | 579,057 | 146,807 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | 41,458 | 20,485 | . | 61,943 | .. | 139,748 |
| Total, South Arcot .. | 4,925 | 42,150 | 20,485 | .. | 67,560 | 579,057 | 286,555 |
| *North Salem.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Sandalwood .. .. .. | 1,226 | .. | .. | .. | .. | .. | .. |
| Miscellaneous .. .. .. | 8,654 | .. | .. | .. | .. | .. | .. |
| Total .. | 9,880 | .. | .. | .. | 9,880 | 206,785 | .. |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | 1559 | 93,288 | 632 | .. | 95,479 | 57,409 | 70,538 |
| Total, North Salem .. | 11,439 | 93,288 | 632 | .. | 105,359 | 264,194 | 70,538 |
| *South Salem.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Sandalwood .. .. .. | 8 | .. | .. | .. | .. | .. | .. |
| Miscellaneous .. .. .. | 2,925 | .. | .. | .. | .. | .. | .. |
| Total .. | 2,933 | .. | 1,130 | .. | 4,063 | 250,035 | 192 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | 261 | 143,567 | 2,990 | .. | 146,818 | .. | 151,519 |
| Total, South Salem .. | 3,194 | 143,567 | 4,120 | .. | 150,881 | 250,035 | 151,711 |
| *Trichinopoly* cum *Tanjore.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. .. | 16 | .. | .. | .. | 16 | 240,477 | 2,096,588 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | 159,722 | 1,800 | .. | 161,522 | 73,126 | 1,165,994 |
| Total, Trichinopoly *cum* Tanjore .. | 16 | 159,722 | 1,800 | .. | 161,538 | 313,603 | 3,262,582 |
| *Guntúr.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Miscellaneous .. .. | 23,774 | 1,072 | 592 | .. | 25,438 | 440,940 | 10,512 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | 1,207 | 316,928 | 6,656 | .. | 324,791 | 50,150 | 10,864 |
| Total, Guntúr .. | 24,981 | 318,000 | 7,248 | .. | 350,229 | 491,090 | 21,276 |

ABS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| *Reserved Forests.* | | | | | | | |
| Red sanders .. .. .. | 3,060 | .. | .. | .. | .. | .. | .. |
| Sandalwood .. .. .. | 7,290 | .. | .. | .. | .. | .. | .. |
| Miscellaneous .. .. .. | 87,386 | .. | .. | .. | .. | .. | .. |
| Total .. | 97,736 | 30,332 | 5,157 | .. | 133,225 | 5,732,590 | 2,844,460 |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | 3,027 | 1,062,801 | 42,500 | .. | 1,108,328 | 180,685 | 1,811,632 |
| Red sanders .. .. .. | 3,060 | .. | .. | .. | .. | .. | .. |
| Sandalwood .. .. .. | 7,290 | .. | .. | .. | .. | .. | .. |
| Miscellaneous .. .. .. | 90,413 | .. | .. | .. | .. | .. | .. |
| Grand Total .. | 100,763 | 1,093,133 | 47,657 | .. | 1,241,553 | 5,913,275 | 4,656,092 |

(in number) during the year 1910-1911, and Agency of Exploitation—*cont.*

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free-grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| C. FT. | | C. FT. | C. FT. | NO. | NO. | NO. | | NO. |
| 800 | .. | 726,664 | 732,281 | 2,677 | 11,913 | .. | .. | 14,590 |
| 795 | .. | 140,543 | 202,486 | .. | 376 | .. | .. | 376 |
| 1,595 | .. | 867,207 | 934,767 | 2,677 | 12,289 | .. | .. | 14,966 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 206,785 | 216,665 | 208,543 | 4,467,975 | .. | .. | 4,676,518 |
| .. | .. | 127,947 | 223,426 | 630 | 128,450 | .. | .. | 129,080 |
| .. | .. | 334,732 | 440,091 | 209,173 | 4,596,425 | .. | .. | 4,805,598 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 250,227 | 254,290 | .. | 2,718,225 | 11,075 | .. | 2,729,300 |
| .. | .. | 151,519 | 298,337 | .. | 105,550 | .. | .. | 105,550 |
| .. | .. | 401,746 | 552,627 | .. | 2,823,775 | 11,075 | .. | 2,834,850 |
| .. | .. | 2,337,065 | 2,337,081 | 57,310 | 6,516 | .. | .. | 63,826 |
| .. | .. | 1,239,120 | 1,400,642 | .. | 2,035 | .. | .. | 2,035 |
| .. | .. | 3,576,185 | 3,737,723 | 57,310 | 8,551 | | .. | 65,861 |
| .. | .. | 451,452 | 476,890 | .. | .. | .. | .. | .. |
| .. | .. | 61,014 | 385,805 | 2,037 | .. | .. | .. | 2,037 |
| .. | .. | 512,466 | 862,695 | 2,037 | .. | .. | .. | 2,037 |
| TRACT. | | | | | | | | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 52,241 | .. | 8,629,291 | 8,762,516 | 489,421 | 17,654,239 | 28,325 | .. | 18,171,985 |
| 795 | .. | 1,993,112 | 3,101,440 | 2,667 | 244,562 | 90 | | 247,319 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 53,036 | .. | 10,622,403 | 11,863,956 | 492,088 | 17,898,801 | 28,415 | .. | 18,419,304 |

Outturn (in cubic feet solid) of Timber, Fuel and Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| SOUTHERN CIRCLE. | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. | C. FT. |
| *South Canara.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak (*Tectona grandis*) .. | 2,559 | 75 | .. | .. | 2,634 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 153 | .. | .. | .. | 153 | .. | .. |
| *Pterocarpus Marsupium* | 175 | .. | .. | .. | 175 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 5,090 | .. | .. | .. | 5,090 | .. | .. |
| *Hopea parviflora* .. .. | 322 | .. | .. | .. | 322 | .. | .. |
| Sandalwood (*Santalum album*). | 1 | .. | .. | .. | 1 | .. | .. |
| Miscellaneous .. .. .. | 18,554 | 15,392 | .. | .. | 33,946 | .. | .. |
| Total .. | 26,854 | 15,467 | .. | .. | 42,321 | 489,446 | 427,065 |
| Reserved lands—*Nil.* | | | | | | | |
| Unreserved lands— | | | | | | | |
| Teak (*Tectona grandis*) .. | .. | 500 | 150 | 1,325 | 1,975 | .. | .. |
| Sandalwood (*Santalum album*). | .. | 630 | .. | .. | 630 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 39 | .. | .. | 425 | 464 | .. | .. |
| *Pterocarpus Marsupium* .. | .. | 25 | .. | 125 | 150 | .. | .. |
| Ironwood (*Xylia dolabriformis*) | .. | 25 | .. | 1,100 | 1,125 | .. | .. |
| *Hopea parviflora* .. .. | 1 | 4,016 | 775 | 44,575 | 49,367 | .. | .. |
| Miscellaneous .. .. .. | 328 | 24,557 | 2,700 | 16,425 | 44,010 | .. | .. |
| Total .. | 368 | 29,753 | 3,625 | 63,975 | 97,721 | .. | 547,328 |
| Total, South Canara .. | 27,222 | 45,220 | 3,625 | 63,975 | 140,042 | 489,446 | 974,393 |
| *Malabar, North.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak (*Tectona grandis*) .. | 8,634 | 7,491 | .. | .. | 16,125 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 5,613 | 2,502 | .. | .. | 8,115 | .. | .. |
| *Pterocarpus Marsupium* .. | 5,934 | 5,705 | .. | .. | 11,639 | .. | .. |
| *Lagerstrœmia microcarpa* .. | 1,506 | 1,526 | .. | .. | 3,032 | .. | .. |
| *Terminalia tomentosa* .. .. | 8,164 | 1,727 | .. | .. | 9,891 | .. | .. |
| Miscellaneous .. .. .. | 197 | 750 | .. | .. | 947 | .. | .. |
| Total .. | 30,048 | 19,701 | .. | .. | 49,749 | 6,040 | 680 |
| Reserved lands—*Nil.* | | | | | | | |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | .. | 620 | .. | 620 | .. | .. |
| Total, Malabar, North .. | 30,048 | 19,701 | 620 | .. | 50,369 | 6,040 | 680 |
| *Malabar, South.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak (*Tectona grandis*) .. | 3,353 | 5,250 | .. | .. | 8,603 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 42 | .. | .. | .. | 42 | .. | .. |
| *Terminalia tomentosa* .. .. | .. | 40 | .. | .. | 40 | .. | .. |
| Miscellaneous .. .. .. | 216 | 91 | .. | .. | 307 | .. | .. |
| Total .. | 3,611 | 5,381 | .. | .. | 8,992 | 2,805 | 135 |
| Reserved lands— | | | | | | | |
| Miscellaneous .. .. .. | 1,031 | .. | .. | .. | 1,031 | .. | .. |
| Unreserved lands— | | | | | | | |
| Rosewood (*Dalbergia latifolia*). | .. | 21 | .. | .. | 21 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 133 | 215 | .. | .. | 348 | .. | .. |
| Miscellaneous .. .. .. | 240 | .. | . | .. | 240 | .. | .. |
| Total .. | 373 | 236 | .. | . | 609 | .. | 205 |
| Leased forests— | | | | | | | |
| Teak (*Tectona grandis*) .. | 91,227 | 3,770 | .. | .. | 94,997 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 141 | 52 | .. | .. | 193 | .. | .. |
| *Pterocarpus Marsupium* .. | .. | 52 | .. | .. | 52 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 219 | 5,460 | .. | .. | 5,679 | .. | .. |
| *Terminalia tomentosa* .. . | 80 | 4,680 | .. | .. | 4,760 | .. | .. |
| Miscellaneous .. .. .. | 529 | 3,328 | .. | .. | 3,857 | .. | .. |
| Total .. | 92,196 | 17,342 | .. | .. | 109,538 | 2,180 | .. |
| Total, Malabar, South .. | 97,211 | 22,959 | .. | .. | 120,170 | 4,985 | 340 |

(in number) during the year 1910–1911, and Agency of Exploitation—*cont.*

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free-grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | C. FT. | C. FT. | NO. | NO. | NO. | | NO. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 916,511 | 958,832 | 7,785 | 59,472 | 500 | .. | 67,757 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 547,328 | 645,049 | .. | 31,603 | .. | .. | 31,603 |
| .. | .. | 1,463,839 | 1,603,881 | 7,785 | 91,075 | 500 | .. | 99,360 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 6,720 | 56,469 | 17,064 | 15,288 | .. | .. | 32,352 |
| .. | .. | .. | 620 | .. | .. | 50 | .. | 50 |
| .. | .. | 6,720 | 57,039 | 17,064 | 15,288 | 50 | .. | 32,402 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 2.940 | 11,932 | 15,718 | 12,330 | .. | .. | 28,048 |
| .. | .. | .. | 1,031 | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | .. | 205 | 814 | .. | .. | 30 | .. | 30 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 2,180 | 111,718 | 55,475 | 32,955 | .. | .. | 88,430 |
| .. | .. | 5,325 | 125,495 | 71,193 | 45,285 | 30 | .. | 116,508 |

Outturn (in cubic feet solid) of Timber, Fuel and of Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| SOUTHERN CIRCLE—*cont.* | C. FT. | C. FT. | C. FT. | | C. FT. | C. FT. | C. FT. |
| *The Nilgiris.* | | | | | | | |
| Reserved forests— | | | | | | | |
| *Pterocarpus Marsupium* .. | .. | 142 | .. | .. | 142 | .. | .. |
| Red cedar (*Cedrela Toona*) .. | .. | 40 | .. | .. | 40 | .. | .. |
| *Terminalia tomentosa* .. .. | .. | 9 | .. | .. | 9 | .. | .. |
| Sandalwood (*Santalum album*). | 353 | .. | .. | .. | 353 | .. | .. |
| Miscellaneous .. .. .. | .. | 201 | .. | .. | 201 | .. | .. |
| Total .. | 353 | 392 | .. | .. | 745 | 204,236 | 14,402 |
| Reserved lands— | | | | | | | |
| Teak (*Tectona grandis*) .. .. | 12,275 | .. | .. | .. | 12,275 | .. | .. |
| *Pterocarpus Marsupium* .. | 1,501 | .. | .. | .. | 1,501 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 197 | .. | .. | .. | 197 | .. | .. |
| Miscellaneous .. .. .. | .. | | 674 | .. | 674 | | .. |
| Total .. | 13,973 | .. | 674 | .. | 14,647 | .. | 100 |
| Unreserved lands—*Nil.* .. .. | .. | .. | .. | .. | .. | .. | .. |
| Total, The Nilgiris .. | 14,326 | 392 | 674 | .. | 15,392 | 204,236 | 14,502 |
| *Kollegal.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Sandalwood (*Santalum album*). | 1,586 | .. | .. | .. | 1,586 | .. | .. |
| Teak (*Tectona grandis*) .. | 99 | .. | .. | .. | 99 | .. | .. |
| *Pterocarpus Marsupium* .. | 9 | .. | .. | .. | 9 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 109 | .. | .. | .. | 109 | .. | .. |
| *Terminalia tomentosa* .. .. | 458 | .. | .. | .. | 458 | .. | . |
| Miscellaneous .. .. .. | 4,056 | 407 | .. | .. | 4,463 | .. | .. |
| Total .. | 6,317 | 407 | .. | .. | 6,724 | 167,000 | 400 |
| Reserved lands— | | | | | | | |
| Sandalwood (*Santalum album*). | 300 | .. | .. | .. | 300 | .. | .. |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | 516 | .. | 320 | .. | 836 | .. | .. |
| Total, Kollegal .. | 7,133 | 407 | 320 | .. | 7,860 | 167,000 | 400 |
| *Coimbatore, North.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Sandalwood (*Santalum album*). | 3,534 | .. | .. | .. | 3,534 | .. | .. |
| Teak (*Tectona grandis*) .. | 57 | .. | .. | .. | 57 | .. | .. |
| Miscellaneous .. .. .. | 4,891 | 636 | .. | .. | 5,527 | .. | .. |
| Total .. | 8,482 | 636 | .. | .. | 9,118 | 397,360 | 2,356 |
| Reserved lands—*Nil.* .. .. | .. | .. | .. | .. | .. | .. | .. |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | . | 180 | .. | 180 | .. | .. |
| Total, Coimbatore, North .. | 8,482 | 636 | 180 | .. | 9,298 | 397,360 | 2,356 |
| *Coimbatore, Central.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak (*Tectona grandis*) .. .. | 348 | .. | .. | .. | 348 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 79 | .. | .. | .. | 79 | .. | .. |
| *Pterocarpus Marsupium* .. | 189 | .. | .. | .. | 189 | .. | .. |
| *Lagerstrœmia microcarpa* .. | 42 | .. | .. | .. | 42 | .. | .. |
| Mahagony (*Swietenia mahagoni*) | 48 | .. | .. | .. | 48 | .. | .. |
| Miscellaneous .. .. .. | 2,551 | 12,163 | .. | .. | 14,714 | .. | .. |
| Total .. | 3,257 | 12,163 | .. | .. | 15,420 | 272,344 | 254,172 |
| Reserved lands—*Nil.* .. .. | .. | .. | .. | .. | .. | .. | .. |
| Unreserved lands— | | | | | | | |
| Miscellaneous .. .. .. | .. | 56,328 | 1,465 | .. | 57,793 | .. | 232,808 |
| Total, Coimbatore, Central .. | 3,257 | 68,491 | 1,465 | .. | 73,213 | 272,344 | 486,980 |

(in number) during the year 1910-1911, and Agency of Exploitation—*cont.*

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| C. FT. | | C. FT. | C. FT. | NO. | NO. | NO. | | NO. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 218,638 | 219,383 | .. | 306,277 | .. | .. | 306,277 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 1,160 | .. | 1,260 | 15,907 | .. | .. | 3,037 | .. | 3,037 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 1,160 | .. | 219,898 | 235,290 | .. | 306,277 | 3,037 | .. | 309,314 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 167,400 | 174,124 | 69,536 | 413,600 | 8,600 | .. | 491,736 |
| . | .. | .. | 300 | . | 19,200 | .. | .. | 19,200 |
| .. | | .. | 836 | .. | .. | .. | .. | .. |
| .. | .. | 167,400 | 175,260 | 69,536 | 432,800 | 8,600 | .. | 510,936 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 399,716 | 408,834 | 4,560 | 3,237,420 | 160 | .. | 3,242,140 |
| | .. | | .. | .. | .. | .. | . | .. |
| .. | .. | .. | 180 | .. | .. | .. | .. | .. |
| .. | .. | 399,716 | 409,014 | 4,560 | 3,237,420 | 160 | .. | 3,242,140 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 526,516 | 541,936 | .. | 683,103 | .. | .. | 683,103 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 232,808 | 290,601 | .. | 11,800 | .. | .. | 11,800 |
| .. | .. | 759,324 | 832,537 | .. | 694,903 | .. | .. | 694,903 |

Outturn (in cubic feet solid) of Timber, Fuel and Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | C. FT. | C. FT. | C. FT. | | C. FT. | C. FT. | C. FT. |
| SOUTHERN CIRCLE—*cont.* *Coimbatore, South.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak (*Tectona grandis*) .. | 31,996 | .. | .. | .. | 31,996 | .. | .. |
| *Terminalia tomentosa* .. .. | 16,840 | .. | .. | .. | 16,840 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 308 | .. | .. | .. | 308 | .. | .. |
| *Pterocarpus Marsupium* .. | 1,780 | .. | . | .. | 1,780 | .. | .. |
| *Lagerstrœmia microcarpa* .. | 1,465 | .. | .. | .. | 1,465 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 1,716 | .. | .. | .. | 1,716 | .. | .. |
| Miscellaneous .. .. .. | 16,778 | 75 | 412 | .. | 17,265 | .. | .. |
| Total .. | 70,883 | 75 | 412 | .. | 71,370 | 173,676 | 55 |
| Unreserved lands—Miscellaneous .. .. .. | .. | 74 | .. | | 74 | .. | 138 |
| Total, Coimbatore, South .. | 70,883 | 149 | 412 | .. | 71,444 | 173,676 | 193 |
| *Madura.* | | | | | | | |
| Reserved forests— | | | | | | | |
| Teak (*Tectona grandis*) .. | 254 | .. | 45 | .. | 299 | .. | .. |
| *Pterocarpus Marsupium* .. | 7 | .. | .. | .. | 7 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 9 | .. | .. | .. | 9 | .. | .. |
| Miscellaneous .. .. | 1,557 | 35,277 | 4,228 | .. | 41,062 | .. | .. |
| Total .. | 1,827 | 35,277 | 4,273 | .. | 41,377 | 720,491 | 352,985 |
| Unreserved lands—Miscellaneous .. .. .. | 788 | 100,041 | .. | .. | 100,829 | 313,436 | 497,324 |
| Total, Madura .. | 2,615 | 135,318 | 4,273 | .. | 142,206 | 1,033,927 | 850,309 |
| *Ramnad.* | | | | | | | |
| Reserved forests—Miscellaneous .. .. .. | .. | 7,699 | .. | .. | 7,699 | .. | 1,176 |
| Reserved lands .. .. .. | .. | .. | .. | .. | .. | .. | 6,371 |
| Unreserved lands—Miscellaneous .. .. .. | .. | 22,286 | 360 | | 22,646 | .. | 36,066 |
| Total, Ramnad .. | .. | 29,985 | 360 | .. | 30,345 | .. | 43,613 |
| *Tinnevelly.* | | | | | | | |
| Reserved forests— | | | | | | | |
| *Pterocarpus Marsupium* .. | 383 | .. | .. | .. | 383 | .. | .. |
| *Vitex altissima* .. .. .. | 220 | .. | .. | .. | 220 | .. | .. |
| Miscellaneous .. .. .. | 961 | 29,059 | .. | .. | 30,020 | .. | .. |
| Total .. | * 1,564 | 29,059 | .. | .. | 30,623 | 22,297 | 416,646 |
| Reserved lands—*Nil.* | | | | | | | |
| Unreserved lands—Miscellaneous .. .. .. | .. | 11,414 | 8,180 | .. | 19,594 | 5,629 | 101,828 |
| Total, Tinnevelly .. | * 1,564 | 40,473 | 8,180 | .. | 50,217 | 27,926 | 518,474 |

ABS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Reserved forests— | | | | | | | |
| Teak (*Tectona grandis*) .. | 47,300 | 12,816 | 45 | .. | 60,161 | .. | .. |
| *Pterocarpus Marsupium* .. | 8,477 | 5,847 | .. | .. | 14,324 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 7,600 | 2,502 | .. | .. | 10,102 | .. | .. |
| Sandalwood (*Santalum album*). | 5,474 | .. | .. | .. | 5,474 | .. | .. |
| *Lagerstrœmia microcarpa* .. | 3,013 | 1,526 | .. | .. | 4,539 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 5,519 | . | .. | .. | 5,519 | .. | .. |
| *Hopea parviflora* .. .. | 322 | .. | .. | .. | 322 | .. | .. |
| *Terminalia tomentosa* .. .. | 25,462 | 1,776 | .. | .. | 27,238 | .. | .. |
| Red cedar (*Cedrela Toona*) .. | .. | 40 | .. | | 40 | .. | .. |
| Mahagony (*Swietenia Mahagoni*). | 48 | .. | .. | .. | 48 | .. | .. |
| *Vitex altissima* .. .. .. | 220 | .. | .. | .. | 220 | .. | .. |
| Miscellaneous .. .. .. | 49,761 | 101,750 | 4,640 | .. | 156,151 | .. | .. |
| Total .. | * 153,196 | 126,257 | 4,685 | .. | 284,138 | 2,455,695 | 1,470,072 |

* Excludes 3,815 rafters, the cubical contents of which have not been reported.

(in number) during the year 1910-1911, and Agency of Exploitation—*cont.*

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free-grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| C. FT. | C. FT. | C. FT. | C FT. | NO. | NO. | NO. | | NO. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 173,731 | 245,101 | 7,298 | 210,325 | 2,349 | .. | 219,972 |
| .. | .. | 138 | 212 | .. | .. | | .. | .. |
| .. | .. | 173,869 | 245,313 | 7,298 | 210,325 | 2,349 | .. | 219,972 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 2,500 | 1,075,976 | 1,117,353 | 79 | 174,656 | .. | .. | 174,735 |
| .. | .. | 810,760 | 911,589 | .. | .. | .. | .. | .. |
| .. | 2,500 | 1,886,736 | 2,028,942 | 79 | 174,656 | .. | .. | 174,735 |
| .. | .. | 1,176 | 8,875 | .. | .. | .. | .. | .. |
| .. | .. | 6,371 | 6,371 | .. | .. | .. | .. | .. |
| .. | .. | 36,066 | 58,712 | .. | .. | .. | .. | .. |
| .. | | 43,613 | 73,958 | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 438,943 | 469,566 | .. | 1,640 | .. | .. | 1,640 |
| 966 | .. | 108,423 | 128,017 | .. | 105 | .. | .. | 105 |
| 966 | .. | 547,366 | 597,583 | .. | 1,745 | .. | .. | 1,745 |

TRACT.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 2,500 | 3,928,267 | 4,212,405 | 122,040 | 5,114,111 | 11,609 | .. | 5,247,760 |

Outturn (in cubic feet solid) of Timber, Fuel and Bamboos

| District. | Timber. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. | Government. | Purchasers. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | ABS |
| SOUTHERN CIRCLE – *cont.* | C. FT. | C. FT. | C FT. | C. FT. | C. FT. | C. FT. | C. FT. |
| Reserved lands-- | | | | | | | .. |
| Teak (*Tectona grandis*) .. .. | 12,275 | .. | .. | .. | 12,275 | .. | .. |
| *Pterocarpus Marsupium* .. | 1,501 | .. | .. | .. | 1,501 | .. | .. |
| Sandalwood (*Santalum album*). | 300 | .. | .. | .. | 300 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 197 | .. | .. | .. | 197 | .. | .. |
| Miscellaneous .. .. | 1,031 | .. | 674 | .. | 1,705 | .. | .. |
| Total .. | 15,304 | .. | 674 | .. | 15,978 | .. | 6,471 |
| Unreserved lands— | | | | | | | |
| Teak (*Tectona grandis*) .. | .. | 500 | 150 | 1,325 | 1,975 | .. | .. |
| *Pterocarpus Marsupium* .. | .. | 25 | .. | 125 | 150 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 39 | 21 | .. | 425 | 485 | .. | .. |
| Sandalwood (*Santalum album*). | .. | 630 | .. | .. | 630 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 133 | 240 | .. | 1,100 | 1,473 | .. | .. |
| *Hopea parviflora* .. .. | 1 | 4,016 | 775 | 44,575 | 49,367 | .. | .. |
| Miscellaneous .. .. .. | 1,872 | 214,700 | 13,825 | 16,425 | 246,822 | .. | .. |
| Total .. | 2,045 | 220,132 | 14,750 | 63,975 | 300,902 | 319,065 | 1,415,697 |
| Leased forests— | | | | | | | |
| Teak (*Tectona grandis*).. .. | 91,227 | 3,770 | .. | .. | 94,997 | .. | .. |
| *Pterocarpus Marsupium* .. | .. | 52 | .. | .. | 52 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 141 | 52 | .. | .. | 193 | .. | .. |
| *Terminalia tomentosa* .. .. | 80 | 4,680 | .. | .. | 4,760 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 219 | 5,460 | .. | .. | 5,679 | .. | .. |
| Miscellaneous .. .. . | 529 | 3,328 | .. | .. | 3,857 | .. | .. |
| Total .. | 92,196 | 17,342 | .. | .. | 109,538 | 2,180 | .. |
| Reserved forests, reserved lands and unreserved lands and leased forests Southern Circle— | | | | | | | |
| Teak (*Tectona grandis*) .. | 150,802 | 17,086 | 195 | 1,325 | 169,408 | .. | .. |
| *Pterocarpus Marsupium* .. | 9,978 | 5,924 | | 125 | 16,027 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 7,977 | 2,575 | .. | 425 | 10,977 | .. | .. |
| Sandalwood (*Santalum album*) | 5,774 | 630 | .. | .. | 6,404 | .. | .. |
| *Lagerstrœmia microcarpa* .. | 3,013 | 1,526 | .. | .. | 4,539 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 5,871 | 5,700 | .. | 1,100 | 12,671 | .. | .. |
| *Hopea parviflora* .. .. | 323 | 4,016 | 775 | 44,575 | 49,689 | .. | .. |
| *Terminalia tomentosa* .. | 25,542 | 6,456 | .. | .. | 31,998 | .. | .. |
| Red cedar (*Cedrela Toona*) . | .. | 40 | .. | .. | 40 | .. | .. |
| Mahagony (*Swietenia mahagoni*) | 48 | .. | .. | | 48 | .. | .. |
| *Vitex altissima* .. .. | 220 | .. | .. | .. | 220 | .. | .. |
| Miscellaneous .. | 53,193 | 319,778 | 19,139 | 16,425 | 408,535 | .. | .. |
| Grand Total, Southern Circle . | 262,741 | 363,731 | 20,109 | 63,975 | 710,556 | 2,776,940 | 2,892,240 |
| Total, Presidency, Reserved forests, reserved lands and unreserved lands— | | | | | | | |
| Sal . .. . .. | 41,287 | 6,743 | .. | .. | 48,030 | .. | .. |
| Teak (*Tectona grandis*) .. | 165,971 | 25,620 | 195 | 1,325 | 193,111 | .. | .. |
| Red Sanders (*Pterocarpus marsupium*). | 30,398 | 12,243 | 620 | 125 | 43,386 | .. | .. |
| Yepi (*Hardwickia binata*) .. | 3,686 | .. | .. | .. | 3,686 | .. | .. |
| Yaddi (*Terminalia tomentosa.*) | 31,303 | 11,995 | 6,090 | .. | 49,388 | .. | .. |
| Rosewood (*Dalbergia latifolia*). | 7,977 | 2,575 | .. | 425 | 10,977 | .. | .. |
| Sandal (*Santalum album*) .. | 13,064 | 630 | .. | .. | 13,694 | .. | .. |
| *Lagerstroemia microcarpa* .. | 3,013 | 1,526 | .. | .. | 4,539 | .. | .. |
| Ironwood (*Xylia dolabriformis*). | 5,871 | 5,700 | .. | 1,100 | 12,671 | .. | .. |
| *Hopea parviflora* .. | 323 | 4,016 | 775 | 44,575 | 49,689 | .. | .. |
| Red cedar (*Cedrela toona*) .. | .. | 40 | .. | .. | 40 | .. | .. |
| Mahagony (*Swietenia mahagoni*). | 48 | .. | .. | .. | 48 | .. | .. |
| *Vitex altissima* .. .. | 220 | .. | .. | .. | 220 | .. | .. |
| Miscellaneous .. .. | 281,045 | 2,169,787 | 136,095 | 17,212 | 2,604,139 | .. | .. |
| Grand Total, Presidency, Reserved forests, reserved lands and unreserved lands. | 584,206 | 2,240,875 | 143,775 | 64,762 | 3,033,618 | 13,313,041 | 8,615,217 |

(in number) during the year 1910–1911, and Agency of Exploitation—*cont.*

| Fuel. | | | Total. | Bamboos. | | | | |
|---|---|---|---|---|---|---|---|---|
| Free-grantees. | Right-holders. | Total. | Outturn. | Government. | Purchasers. | Free-grantees. | Right-holders. | Total. |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

TRACT—*cont.*

| C. FT. | C. FT. | C. FT. | C. FT. | NO. | NO. | NO. | NO. | NO. |
|---|---|---|---|---|---|---|---|---|
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 1,160 | .. | 7,631 | 23,609 | .. | 19,200 | 3,037 | .. | 22,237 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 966 | .. | 1,735,728 | 2,036,630 | .. | 43,508 | 80 | .. | 43,588 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 2,180 | 111,718 | 55,475 | 32,955 | .. | .. | 88,430 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 2,126 | 2,500 | 5,673,806 | 6,384,362 | 177,515 | 5,209,774 | 14,726 | .. | 5,402,015 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 55,162 | 157,006 | 22,140,426 | 25,174,044 | 7,437,126 | 31,592,974 | 164,741 | 12,293 | 39,207,134 |

## Annual Form No. 77.

*Forest Department, Madras Presidency.*

### Outturn of Minor Forest Produce during the year 1910–1911.

| Circle. | Description of produce. | Produce removed or utilized. By Government Agency. Quantity. | By Government Agency. Value. | By purchasers. Value. | By free grants. Value. | By right-holders. Value. | Total. Value. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | MDS. | RS. | RS. | RS. | RS. | RS. |
| Northern Circle. | Grazing and fodder grass .. | 6,429 | 642 | 1,86,285 | .. | 1,080 | 1,88,007 |
| | Grass (thatch, korai, tharbi, etc.). | 9,532 | 342 | 1,269 | 227 | .. | 1,838 |
| | Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc. | .. | .. | 46,134 | .. | 23,070 | 69,204 |
| | Horns, honey, wax, resin, gum, skins, etc. | 156 | 92 | 1,197 | .. | .. | 1,289 |
| | Tangedu, vembadam, etc., barks and fibres. | .. | .. | 93,630 | 3 | .. | 93,633 |
| | Plumbago, stone, gravel, earth, etc. | 8,400 | 17 | 4,081 | 4 | .. | 4,102 |
| | Leaves for platters .. .. | .. | .. | 209 | .. | .. | 209 |
| | Manure leaves .. .. .. | .. | .. | 669 | .. | .. | 669 |
| | Date and palmyra leaves, stalks, etc. | .. | .. | 224 | .. | .. | 224 |
| | Miscellaneous (including tree-owner's fees). | 152,128 | 3,877 | 92,763 | 43 | 500 | 97,183 |
| | Total .. | 176,645 | 4,970 | (a)4,26,461 | 277 | 24,650 | 4,56,358 |
| Central Circle. | Grazing and fodder grass .. | 6,822 | 612 | 3,46,245 | 282 | 98 | 3,47,237 |
| | Grass (thatch and korai, etc.). | 6,302 | 2,376 | 947 | .. | .. | 3,323 |
| | Tamarind, soapnuts, gallnuts, etc. | 8,552 | 4,572 | 23,789 | .. | .. | 28,361 |
| | Horns, honey, wax, gum, etc. | 1,831 | 507 | 2,182 | .. | .. | 2,689 |
| | Tangedu, vembadam, etc., barks. | 301 | 791 | 23,333 | .. | .. | 24,124 |
| | Mica stone, gravel, etc. .. | .. | .. | 46,740 | 82 | .. | 46,822 |
| | Lac .. .. .. .. | .. | .. | .. | .. | .. | .. |
| | Manure, leaves, thorns, etc. .. | .. | .. | 24,384 | 1 | .. | 24,385 |
| | Date, palmyra leaves, etc. .. | 89 | 1 | 4,318 | 236 | .. | 4,555 |
| | Miscellaneous including tree-tapping and tree-owners' fees. | 44,446 | 5,536 | 1,75,158 | .. | 200 | 1,80,894 |
| | Total .. | 68,343 | 14,395 | 6,47,096 | 601 | 298 | 6,62,390 |
| Southern Circle. | *Reserved forests.* | | | | | | |
| | Grass and grazing .. .. | 4,217 | 500 | 89,718 | 44 | .. | .. |
| | Grass (thatch, korai, etc.) .. | .. | .. | 876 | 354 | .. | .. |
| | Dammer, turmeric, pepper, cardamoms, etc. | 2 | 11 | 6,845 | .. | .. | .. |
| | Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc. | 11,479 | 8,080 | 1,595 | .. | .. | .. |
| | Horns, honey, wax, gum, resin, skin, etc. | 486 | 4,988 | 20 | .. | .. | .. |
| | Avaram, vembadam, etc., barks and fibres. | 140 | 1 | 1,885 | .. | .. | .. |
| | Stones, gravel and earth .. | .. | .. | 2,289 | .. | .. | .. |
| | Manure leaves, thorns, etc. .. | 20 | 29 | 5,914 | .. | .. | .. |
| | Date and palmyra leaves .. | .. | .. | 927 | .. | 249 | .. |
| | Miscellaneous .. .. .. | 123 | 60 | 32,424 | .. | .. | .. |
| | Total .. | 16,467 | 13,669 | 1,42,493 | 398 | 249 | 1,56,809 |
| | *Reserved lands.* | | | | | | |
| | Grazing .. .. .. .. | .. | .. | .. | .. | 568 | .. |
| | Grass (thatch, korai, etc.) .. | .. | .. | 15 | 14 | .. | .. |
| | Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc. | 1 | 2 | 19 | .. | .. | .. |
| | Horns, honey, wax, gum, resin, skin, etc. | 21 | 152 | .. | .. | .. | .. |
| | Stones, gravel and earth .. | .. | .. | 6 | .. | .. | .. |
| | Miscellaneous .. .. .. | .. | .. | 475 | .. | .. | .. |
| | Total .. | 22 | 154 | 515 | 14 | 568 | 1,251 |

(a) Excludes 706 rupees worth of minor produce belonging to the Parlákimedi Maliahs and 328 rupees worth of minor produce belonging to the Thumba Mutta forests.

Outturn of Minor Forest Produce during the year 1910–1911—*cont.*

| Circle. | Description of produce. | Produce removed or utilized. By Government Agency. Quantity. | By Government Agency. Value. | By purchasers. Value. | By free grantees. Value. | By right-holders. Value. | Total Value. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | *Unreserved lands.* | MDS. | RS. | RS. | RS. | RS. | RS. |
| Southern Circle—*cont.* | Catechu .. .. .. .. | 1,182 | 10,700 | .. | .. | .. | . |
| | Grass (thatch, korai, etc.) | .. | .. | 4,924 | .. | .. | .. |
| | Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc. | .. | .. | 4,256 | .. | .. | .. |
| | Horns, honey, wax, gum, resin, skin, etc. | 52 | 194 | 372 | .. | .. | .. |
| | Avaram, vembadam, etc., barks and fibres. | .. | .. | 1,199 | .. | .. | .. |
| | Stones, gravel and earth .. | .. | .. | 16,502 | .. | 6 | .. |
| | Manure leaves, thorns, etc. .. | .. | .. | 1,920 | .. | .. | .. |
| | Date and palmyra leaves .. | .. | .. | 1,702 | 31 | .. | .. |
| | Miscellaneous .. .. .. | .. | .. | 10,992 | 9 | .. | .. |
| | Total .. | 1,234 | 10,894 | 41,867 | 40 | 6 | 52,807 |
| | Grand total .. | 17,723 | 24,717 | 1,84,875 | 452 | 823 | 2,10,867 |
| | Grand Total, Presidency .. | | | | | | |

ABSTRACT.

| | Description of produce. | Quantity. | Value. | Value. | Value. | Value. | Value. |
|---|---|---|---|---|---|---|---|
| | Grazing and fodder grass .. | 17,468 | 1,754 | 6,22,248 | 326 | 1,746 | 6,26,074 |
| | Grass (thatch, korai, etc.) .. | 15,834 | 2,718 | 8,031 | 595 | .. | 11,344 |
| | Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc. | 20,032 | 12,654 | 75,793 | .. | 23,070 | 1,11,517 |
| | Horns, honey, wax, resin, gum, skin, etc. | 2,546 | 5,933 | 3,771 | .. | .. | 9,704 |
| | Tangedu, vembadam etc., barks and fibres. | 441 | 792 | 1,20,047 | 3 | .. | 1,20,842 |
| | Mica stones, gravel and earth, etc. | 8,400 | 17 | 69,618 | 86 | 6 | 69,727 |
| | Leaves for plotters .. .. | .. | .. | 209 | .. | .. | 209 |
| | Dammer, turmeric, pepper, cardmoms, etc. | 2 | 11 | 6,845 | .. | .. | 6,856 |
| | Manure leaves, thorns, etc. | 20 | 29 | 32,887 | 1 | .. | 32,917 |
| | Date and palmyra leaves, stalks, etc. | 89 | 1 | 7,171 | 267 | 249 | 7,688 |
| | Catechu .. .. .. .. | 1,182 | 10,700 | .. | .. | .. | 10,700 |
| | Miscellaneous .. .. .. | 196,697 | 9,473 | 3,11,812 | 52 | 700 | 3,22,037 |
| | Grand Total, Presidency .. | 262,711 | 44,082 | 12,58,432 | 1,330 | 25,771 | 13,29,615 |

## Annual Form No. 78.

*Forest Department, Madras Presidency.*

Account of timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1910–1911.

| District. | Balance at commencement of the year in forest and sale depots. | Received during the year. | Total. | Disposed of during the year. | Balance in hand at close of the year in forest and sale depots. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| **TIMBER (cubic feet).** | | | | | |
| *Northern Circle.* | | | | | |
| Ganjám .. .. .. .. .. | 48,826 | (*g*) 43,612 | 92,438 | (*h*) 41,219 | (*i*) 51,219 |
| Vizagapatam .. .. .. .. | 1,756 | 2,460 | 4,216 | 3,629 | 587 |
| Gódávari, Upper .. .. .. .. | 21,365 | 9,075 | 30,440 | 13,193 | 17,247 |
| Do. Lower .. .. .. .. | 2,558 | 3,401 | 5,959 | 1,925 | 4,034 |
| Kistna .. .. .. .. .. | 1,260 | 8,372 | 9,632 | 9,107 | 525 |
| Kurnool, East .. .. .. .. | 24,458 | 8,245 | 32,703 | 11,897 | 20,806 |
| Do. South .. .. .. .. | 33,266 | 44,656 | 77,922 | 37,577 | 40,345 |
| Do. West .. .. .. .. | 26,747 | 84,881 | 111,628 | 74,677 | 36,951 |
| Bellary .. .. .. .. .. | 5,864 | 12,153 | 18,017 | 14,690 | 3,327 |
| Anantapur .. .. .. .. .. | 6,253 | 3,847 | 10,100 | 5,143 | 4,957 |
| Total .. | 172,353 | 220,702 | 393,055 | 213,057 | 179,998 |
| *Central Circle.* | | | | | |
| Cuddapah, North .. .. .. .. | 3,586 | 16,931 | 20,517 | 16,658 | 3,859 |
| Do. East .. .. .. .. | 4,507 | 19,873 | 24,380 | 17,225 | 7,155 |
| Nellore .. .. .. .. .. | 772 | 3,963 | 4,735 | (*a*) 567<br>(*b*) 4,010<br>(*c*) 5 | 153 |
| Chingleput .. .. .. .. .. | 264 | 2,280 | 2,544 | 1,904 | 640 |
| Arcot, North .. .. .. .. .. | 6,622 | 8,359 | 14,981 | 6,728 | 8,253 |
| Chittoor .. .. .. .. .. | 4,109 | 4,802 | 8,911 | 4,443 | 4,468 |
| Arcot, South .. .. .. .. .. | .. | 4,925 | 4,925 | 3,878 | 909<br>(*d*) 138 |
| Salem, North .. .. .. .. | 4,003 | 11,439 | 15,442 | 11,096 | 4,346 |
| Do. South .. .. .. .. .. | 1,559 | 3,194 | 4,744 | 3,789 | 955 |
| Trichinopoly .. .. .. .. .. | 174 | 16 | 190 | 154 | 36 |
| Guntúr .. .. .. .. .. | 3,646 | 24,981 | 28,627 | 25,540 | 5,087 |
| Madras depots .. .. .. .. | .. | 924 | 924 | 744 | 180 |
| Total .. | 29,233 | 100,763<br>924 | 130,920 | 94,741 | 36,179 |
| *Southern Circle.* | | | | | |
| South Canara .. .. .. .. | 24,412 | 27,222 | 51,634 | 25,259<br>(*b*) 439<br>(*e*) 4,503 | 21,433 |
| Malabar, North .. .. .. .. | 55,556 | 30,048 | 85,604 | 59,523<br>(*b*) 612<br>(*e*) 3,828 | 21,641 |
| Do. South .. .. .. .. | 70,189 | 97,211 | 167,400 | 79,981<br>(*b*) 3,295<br>(*e*) 560 | 83,564 |
| The Nilgiris .. .. .. .. | 20,624 | 14,326 | 34,950 | 14,863 | 20,087 |
| Kollegal .. .. .. .. .. | 2,991 | 7,133 | 10,124 | 6,471 | 3,653 |
| Coimbatore, North .. .. .. | 4,349 | 8,482 | 12,831 | 9,432 | 3,399 |
| Do. Central .. .. .. | 14,496 | 3,257 | 17,753 | 2,401<br>(*e*) 13,031 | 2,321 |
| Do. South .. .. .. | 173,899 | 70,883 | 244,782 | 35,736<br>(*f*) 1,215 | 207,831 |
| Madura .. .. .. .. .. | 973 | 2,615 | 3,588 | 2,909 | 679 |
| Tinnevelly .. .. .. .. .. | .. | 1,564 | 1,564 | 831 | 733 |
| Total .. | 367,489 | 262,741 | 630,230 | 264,889 | 365,341 |
| Grand Total, Presidency .. | 569,075 | 585,130 | 1,154,205 | 572,687 | 581,518 |

(*a*) Sold locally. (*b*) Used departmentally. (*c*) Written off.
(*d*) Represents dryage not written off. (*e*) Written off the accounts. (*f*) Includes deficits and the quantity written off.
(*g*) Excludes 3,456 c. ft. belonging to the Parlákimedi Maliahs.
(*h*) Do. 1,020 c. ft. do.
(*i*) Do. 2,436 c. ft. do.

*N.B.* (*Central Circle*).—The difference between the closing balance of the previous year and the opening balance of current year was due to the transfer of Kadiri Range to Northern Circle and to revised figures furnished by Collectors.

Account of timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1910-1911—*cont.*

| District. | Balance at commencement of the year in forest and sale depots. | Received during the year. | Total. | Disposed of during the year. | Balance in hand at close of the year in forest and sale depots. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | FUEL (CUBIC FEET). | | | |
| *Northern Circle.* | | | | | |
| Ganjám | 20,587 | 322,690 | 343,277 | 307,957 | 35,320 |
| Vizagapatam | 83,684 | 86,891 | 170,575 | 148,756 | 21,819 |
| Gódávari, Upper | 16,767 | 18,711 | 35,478 | 15,560 | 19,918 |
| Do Lower | 214,980 | 559,022 | 774,002 | 639,434 | 134,568 |
| Kistna | 162,701 | 1,114,190 | 1,276,891 | 1,186,967 | 89,924 |
| Kurnool, East | 5,619 | 62,487 | 68,106 | 26,502 | 41,604 |
| Do. South | 182,240 | 870,355 | 1,052,595 | 913,480 | 139,115 |
| Do. West | 505,439 | 806,677 | 1,312,116 | 1,041,180 | 270,936 |
| Bellary | 155,642 | 303,186 | 458,828 | 357,116 | 101,712 |
| Anantapur | 202,950 | 478,617 | 681,567 | 448,201 | 233,366 |
| Total | 1,550,609 | 4,622,826 | 6,173,435 | 5,085,153 | 1,088,282 |
| *Central Circle.* | | | | | |
| Cuddapah, North | 306,953 | 655,779 | 962,732 | 668,924 | 293,808 |
| Do. East | 248,135 | 923,487 | 1,171,622 | 864,669 | 306,953 |
| Nellore | 197,708 | 669,844 | 867,552 | (a) 317,656<br>(b) 5,127<br>(c) 26,720<br>(e) 414,630<br>(f) 2,810<br>(g) 378 | 93,537<br>(d) 6,694 |
| Chingleput | 28,471 | 116,892 | 145,363 | 124,505 | 20,858 |
| Arcot, North | 77,976 | 1,006,613 | 1,084,589 | 906,917 | 177,672 |
| Chittoor | 165,231 | 642,681 | 807,912 | 781,455 | 26,457 |
| Arcot, South | 93,536 | 579,057 | 672,593 | 572,035<br>(b) 1,879<br>(c) 9,010<br>(h) 2,707 | 82,128<br>(d) 4,834 |
| Salem, North | 85,283 | 264,194 | 349,477 | 328,666 | 20,811 |
| Do. South | 16,362 | 250,035 | 266,397 | 222,039 | 44,358 |
| Trichinopoly | (j) 108,749 | 313,603 | 422,352 | 409,148 | 13,204 |
| Guntúr | 572,339<br>(i) 57,800 | 491,090<br>189,310 | 1,063,429<br>247,110 | 801,213<br>246,810 | 262,216<br>300 |
| Madras depots | 22,686 | 554,616 | 577,302 | 558,074 | 19,228 |
| Total | 1,981,229 | 5,913,275<br>(i) 189,310<br>(j) 554,616 | 8,638,430 | 7,265,372 | 1,373,058 |
| *Southern Circle.* | | | | | |
| South Canara | 250,516 | 489,446 | 7 9,962 | 382,699<br>(b) 8,585<br>* (k) 16,916 | 331,762 |
| Malabar, North | 5,040 | 6,040 | 11,080 | 5,580<br>(k) 20 | 5,480 |
| Do. South | 405 | 4,985 | 5,390 | 666<br>(b) 9 | 4,715 |
| The Nilgiris | 267,907 | 204,236 | 472,143 | 319,790 | 152,353 |
| Kollegal | 132,808 | 167,000 | 299,808 | 147,448 | 152,360 |
| Coimbatore, North | * 288,544<br>+ 62 | 397,360 | 685,966 | 568,616 | 117,550 |
| Do. Central | 114,934 | 272,344 | 387,278 | 303,966<br>(l) 18,572 | 64,740 |
| Do. South | 76,384 | 173,676 | 250,060 | 209,627<br>(l) 16,265 | 24,168 |
| Madura | 4,775 | 1,033,927 | 1,038,702 | 1,037,754 | 948 |
| Tinnevelly | 37 | 27,926 | 27,963 | 25,425 | 2,538 |
| Total | 1,141,412 | 2,776,940 | 3,918,352 | 3,061,938 | 856,414 |
| Grand Total, Presidency | 4,673,250 | 14,056,967 | 18,730,217 | 15,412,463 | 3,317 754 |

(a) Sold locally. (b) Used departmentally. (c) Written off. (d) Represents dryage not written off.
(e) Supplied to Madras depots. (f) Was burnt. (g) Supplied to boatmen for cooking.
(h) Was lost. (i) Produce received from Kurnool East. (j) Revised figure furnished by the Collector.
(k) Written off the accounts. (l) Includes deficits and the quantity written off.
* Added to opening balance by the Collectors.

*N.B.* (*Central Circle*).—The difference between the closing balance of the previous year and the opening balance of the current year was due to the transfer of Kadiri Range to Northern Circle and to revised figures furnished by Collectors.

Account of timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1910-1911—*cont.*

| District. | Balance at commencement of the year in forest and sale depots. | Received during the year. | Total. | Disposed of during the year. | Balance in hand at close of the year in forest and sale depots. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| **BAMBOOS (NUMBER).** | | | | | |
| *Northern Circle.* | | | | | |
| Ganjám .. .. .. .. .. | 11,621 | 945,458 | 957,079 | 940,287 | 16,792 |
| Vizagapatam .. .. .. .. | 2,028 | 1,098,853 | 1,100,881 | 1,100,015 | 866 |
| Gódávari, Upper .. .. .. .. | 2,638 | 14,100 | 16,738 | 14,313 | 2,425 |
| Do. Lower .. .. .. .. | 50,896 | 22,900 | 73,796 | 51,678 | 22,118 |
| Kistna .. .. .. .. .. | .. | 40,225 | 40,225 | 37,775 | 2,450 |
| Kurnool, East .. .. .. .. | 3,901 | 296,780 | 300,681 | 300,506 | 175 |
| Do. South .. .. .. .. | 70,591 | 947,890 | 1,018,481 | 1,000,186 | 18,295 |
| Do. West .. .. .. .. | 16,640 | 3,370,898 | 3,387,538 | 3,317,408 | 70,130 |
| Bellary .. .. .. .. .. | .. | 11,200 | 11,200 | 9,672 | 1,528 |
| Anantapur .. .. .. .. .. | 10,264 | 19,219 | 29,483 | 12,856 | 16,627 |
| Total .. | 168,579 | 6,767,523 | 6,936,102 | 6,784,696 | 151,406 |
| *Central Circle.* | | | | | |
| Cuddapah, North .. .. .. .. | 19,471 | 21,612 | 41,083 | 34,691 | 6,392 |
| Do. East .. .. .. .. | .. | 1,182 | 1,182 | 1,172 | 10 |
| Nellore .. .. .. .. .. | 1,000 | .. | 1,000 | 1,000 | .. |
| Chingleput .. .. .. .. .. | .. | .. | .. | .. | .. |
| Arcot, North .. .. .. .. .. | .. | 13,920 | 13,920 | 13,920 | .. |
| Chittoor .. .. .. .. .. | 37,194 | 184,177 | 221,371 | 204,291 | 17,080 |
| Arcot, South .. .. .. .. .. | 600 | 2,677 | 3,277 | 1,374 | 1,903 |
| Salem, North .. .. .. .. .. | 48,908 | 209,173 | 258,081 | 227,525 | 30,556 |
| Do. South .. .. .. .. .. | .. | .. | .. | .. | .. |
| Trichinopoly .. .. .. .. .. | (b) 7,451 | 57,310 | 64,761 | 58,785 | 5,976 |
| Guntúr .. .. .. .. .. | .. | 2,037 | 2,037 | 1,887 | 150 |
| Madras depots .. .. .. .. | (a) 11,423<br>6,268 | 28,589<br>83,260 | 40,012<br>89,528 | 31,738<br>70,888 | 8,274<br>18,640 |
| Total .. | 132,315 | 492,088<br>(a) 2 8,589<br>(b) 83,260 | 736,252 | 647,271 | 88,981 |
| *Southern Circle.* | | | | | |
| South Canara .. .. .. .. | 5,075 | 7,785 | 12,860 | 2,604<br>(c) 1,037<br>(d) 2,760 | 6,459 |
| Malabar, North .. .. .. .. | 1,887 | 17,064 | 18,951 | 16,087<br>(c) 242<br>(d) 200 | 2,422 |
| Do. South .. .. .. .. | 27,648 | 71,193 | 98,841 | 41,694<br>(c) 2,370<br>(d) 1,548 | 53,229 |
| Kollegal .. .. .. .. .. | 13,440 | 69,536 | 82,976 | 48,568 | 34,408 |
| Coimbatore, North .. .. .. .. | 370 | 4,560 | 4,930 | 2,530 | 2,400 |
| Do. South .. .. .. .. | 4,188 | 7,298 | 11,486 | 11,446 | 40 |
| Madura .. .. .. .. .. | .. | 79 | 79 | 79 | .. |
| Total .. | 52,608 | 177,515 | 230,123 | 131,165 | 98,958 |
| Grand Total, Presidency .. | 353,502 | 7,548,975 | 7,902,477 | 7,563,132 | 339,345 |

(*a*) Produce received from Kurnool East.
(*b*) Revised figure furnished by the Collector.
(*c*) Used departmentally.
(*d*) Written off the accounts.

*N.B.* (*Central Circle*).—The difference between the closing balance of the previous year and the opening balance of the current year was due to the transfer of Kadiri Range to Northern Circle and to revised figures furnished by Collectors.

Account of timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1910–1911—*cont.*

| District. | Balance at commencement of the year in the forest and sale depots. | Received during the year. | Total. | Disposed of during the year. | Balance on hand at close of the year in forest and sale depots. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| **MINOR PRODUCE (MAUNDS OF 28 LB.).** | | | | | |
| *Northern Circle.* | | | | | |
| Ganjám .. .. .. .. .. | .. | 59 | 59 | .. | 59 |
| Vizagapatam .. .. .. .. | 4,081 | 9,666 | 13,747 | 5,098 | 8,649 |
| Gódávari, Upper .. .. .. .. | 7,960 | 21,202 | 29,162 | 3,120 | 26,042 |
| Do. Lower .. .. .. .. | 1,154 | 9 | 1,163 | 1,163 | .. |
| Kistna .. .. .. .. | 82,063 | 132,489 | 214,552 | 159,567 | 54,985 |
| Kurnool, East .. .. .. .. | .. | 1,773 | 1,773 | 421 | 1,352 |
| Do. South .. .. .. .. | 880 | 1,661 | 2,541 | 2,049 | 492 |
| Do. West .. .. .. .. | 465 | 2,489 | 2,954 | 1,593 | 1,361 |
| Bellary .. .. .. .. .. | 43,581 | 7,297 | 50,878 | 33,988 | 16,890 |
| Anantapur .. .. .. .. .. | .. | .. | .. | .. | .. |
| Total .. | 140,184 | 176,645 | 316,829 | 206,999 | 109,830 |
| *Central Circle.* | | | | | |
| Cuddapah, North .. .. .. .. | 2,937 | 3,360 | 6,297 | 3,333 | 2,964 |
| Do. East .. .. .. .. | 550 | 4,681 | 5,231 | 3,968 | 1,263 |
| Nellore .. .. .. .. .. | 10,204 | 7,947 | 18,151 | 17,481 | 670 |
| Chingleput .. .. .. .. .. | 3,987 | .. | 3,987 | 514 | 3,473 |
| Arcot, North .. .. .. .. | 307 | 1,049 | 1,356 | 226 | 1,130 |
| Chittoor .. .. .. .. .. | 1,755 | 1,841 | 3,596 | 2,672 | 924 |
| Arcot, South .. .. .. .. | 176 | .. | 176 | 176 | .. |
| Salem, North .. .. .. .. | 250 | 2,314 | 2,564 | 1,923 | 641 |
| Do. South .. .. .. .. | 250 | 399 | 649 | 360 | 289 |
| Trichinopoly .. .. .. .. | 18 | 108 | 126 | 106 | 20 |
| Guntúr .. .. .. .. .. | 20,121 | 43,764 | 63,885 | 18,273 | 45,612 |
| Madras depots .. .. .. .. | 104 | 2,880 | 2,984 | 2,956 | 28 |
| Total .. | 40,659 | 68,343 | 109,002 | 51,988 | 57,014 |
| *Southern Circle.* | | | | | |
| South Canara .. .. .. .. | 213 | 1,324 | 1,537 | 1,364<br>(*a*) 68<br>(*b*) 2 | 103 |
| Malabar, North .. .. .. .. | 22 | 2 | 24 | 24 | * .. |
| Do. South .. .. .. .. | * .. | * .. | * .. | * .. | * .. |
| The Nilgiris .. .. .. .. | 1,658 | 775 | 2,433 | 1,036 | 1,397 |
| Kollegal .. .. .. .. .. | 188 | 942 | 1,130 | 402 | 728 |
| Coimbatore, North .. .. .. .. | 4,020 | 10,431 | 14,451 | 11,021 | 3,430 |
| Do. Central.. .. .. .. | 19,179 | 4,124 | 23,303 | 5,063<br>(*c*) 7,386 | 10,854 |
| Do. South .. .. .. .. | .. | 73 | 73 | .. | 73 |
| Ramnad .. .. .. .. .. | .. | 14 | 14 | .. | 14 |
| Tinnevelly .. .. .. .. .. | 67 | 38 | 105 | 43 | 62 |
| Tota .. | 25,347 | 17,723 | 43,070 | 26,409 | 16,661 |
| Grand Total, Presidency .. | 206,190 | 262,711 | 468,901 | 285,396 | 183,505 |

*N.B.* (*Central Circle*).—The difference between the closing balance of the previous year and the opening balance of the current year was due to the transfer of Kadiri Range to Northern Circle and to revised figures furnished by Collectors.

* Less than one quarter.

(*a*) Used departmentally.

(*b*) Written off the accounts.

(*c*) Includes deficits and the quantity written off.

## ANNUAL FORM No. 79.

*Forest Department, Madras Presidency.*

STATEMENT showing the value of Timber and other Produce at sale depots for 1910–1911.

| District. | Description of timber or produce. | On hand at commencement of the year. | | | On hand at close of the year. | | | Difference in value. | |
|---|---|---|---|---|---|---|---|---|---|
| | | Number. | Cubic feet. | Value. | Number. | Cubic feet. | Value. | In favour of the year. | Against the year. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | *Northern Circle.* | | | RS. | | | RS. | RS. | RS |
| Ganjám (*d*) | Timber | .. | 48,826 | 22,194 | .. | 51,219 | 35,385 | 13,191 | .. |
| | Fuel | .. | 20,587 | 457 | .. | 35,320 | 26,338 | 25,881 | .. |
| | Bamboos | 11,621 | .. | 157 | (*e*) 16,792 | .. | 414 | 257 | .. |
| | Minor produce | .. | .. | .. | MDS. 59 | .. | .. | .. | .. |
| Vizagapatam. | Timber | .. | 1,756 | 1,267 | .. | 587 | 501 | .. | 766 |
| | Fuel | .. | 83,684 | 558 | .. | 21,819 | 818 | 260 | .. |
| | Bamboos | 2,028 | .. | 30 | 866 | .. | 9 | .. | 21 |
| | Minor produce | MDS. 4,081 | .. | 489 | MDS. 8,649 | .. | 292 | .. | 197 |
| Gódávari, Upper. | Timber | .. | 21,365 | 4,453 | .. | 17,247 | 4,485 | 32 | .. |
| | Fuel | .. | 16,767 | 931 | .. | 19,918 | 1,107 | 176 | .. |
| | Bamboos | 2,638 | .. | 38 | 2,425 | .. | 35 | .. | 3 |
| | Minor produce | MDS. 7,960 | .. | 1,475 | MDS. 26,042 | .. | 403 | .. | 1,072 |
| Gódávari, Lower. | Timber | .. | 2,558 | 161 | | 4,034 | .. | .. | 161 |
| | Fuel | .. | 214,980 | 11,197 | .. | 134,568 | (*a*) | .. | 11,197 |
| | Bamboos | 50,896 | .. | 102 | 22,118 | .. | (*a*) | .. | 102 |
| | Minor produce | MDS. 1,154 | .. | 300 | .. | .. | (*a*) | .. | 300 |
| Kistna | Timber | .. | 1,260 | 20 | .. | 525 | .. | .. | 20 |
| | Fuel | .. | 162,701 | 708 | .. | 89,924 | (*a*) | .. | 708 |
| | Bamboos | .. | .. | .. | 2,450 | .. | (*a*) | .. | .. |
| | Minor produce | MDS. 82,063 | .. | 397 | MDS. 54,985 | .. | (*a*) | .. | 397 |
| Kurnool, East. | Timber | .. | .. | .. | .. | 20,806 | 15,604 | 15,604 | .. |
| | Fuel | .. | .. | .. | .. | 41,604 | 1,011 | 1,011 | .. |
| | Bamboos | .. | .. | .. | 175 | .. | 5 | 5 | .. |
| | Minor produce | .. | .. | .. | MDS. 1,352 | .. | 450 | 450 | .. |
| Kurnool, South. | Timber | .. | 23,266 | 34,318 | .. | 40,345 | 41,621 | 7,303 | .. |
| | Fuel | .. | 182,240 | 10,630 | .. | 139,115 | 8,115 | .. | 2,515 |
| | Bamboos | 70,591 | .. | 2,950 | 18,295 | .. | 764 | .. | 2,186 |
| | Minor produce | MDS. 432,208 | .. | 287 | MDS. 492 | .. | 160 | .. | 127 |
| Kurnool, West. | Timber | .. | 26,747 | 13,373 | .. | 36,951 | 18,475 | 5,102 | .. |
| | Fuel | .. | 505,439 | 31,464 | .. | 270,936 | 16,934 | .. | 14,530 |
| | Bamboos | 16,640 | .. | 140 | 70,130 | .. | 877 | 737 | .. |
| | Minor produce | MDS. 521 | .. | 652 | MDS. 1,361 | .. | 1,871 | 1,219 | .. |
| Bellary | Timber | .. | 5,864 | 366 | .. | 3,327 | 209 | .. | 157 |
| | Fuel | .. | 155,642 | 10,495 | .. | 101,712 | 2,618 | .. | 7,877 |
| | Bamboos | .. | .. | .. | 1,528 | .. | 101 | .. | 101 |
| | Minor produce | MDS. 43,581 | .. | 3,942 | MDS. 16,890 | .. | 5,052 | 1,110 | .. |
| Anantapur | Timber | .. | 6,253 | 1,954 | .. | 4,957 | 1,542 | .. | 412 |
| | Fuel | .. | 202,950 | 11,275 | .. | 233,366 | 12,965 | 1,690 | .. |
| | Bamboos | 10,264 | .. | 641 | 16,627 | .. | 1,039 | 398 | .. |
| | *Central Circle* | | | | | | | | |
| North Cuddapah. | Timber | 12,909 | 3,227 | 4,522 | 11,688 | 2,992 | 4,886 | 364 | .. |
| | Fuel | .. | 69,483 | 5,923 | .. | 12,502 | 788 | .. | 5,135 |
| | Bamboos | 15,531 | .. | 475 | 6,317 | .. | 94 | .. | 381 |
| | Minor produce | .. | 400 | 135 | .. | 800 | 103 | .. | 32 |
| East Cuddapah. | Timber | .. | 4,507 | 4,219 | .. | 7,155 | 2,725 | .. | 1,494 |
| | Fuel | .. | (*b*) 201,248 | (*b*) 6,552 | .. | 180,444 | 4,337 | .. | 2,215 |
| | Bamboos | .. | .. | .. | 10 | .. | (*c*) | .. | .. |
| | Minor produce | .. | (*b*) 483 | 74 | .. | 1,263 | 105 | 31 | .. |

(*a*) Not furnished by the Collectors.
(*b*) Revised figures furnished by the Collector.
(*c*) Value below 8 annas.
(*d*) Excludes 610 sal logs of 3,456 c. ft. (value Rs. 1,512) belonging to the Parlákimedi Maliahs.
(*e*) Excludes 481 logs of 2,437 c. ft. (value Rs. 1,066) belonging to the Parlákimedi Maliahs.

Statement showing the value of Timber and other Produce at sale depots for 1910-1911—*cont.*

| District. | Description of timber or produce. | On hand at commencement of the year. | | | On hand at close of the year. | | | Difference in value. | |
|---|---|---|---|---|---|---|---|---|---|
| | | Number. | Cubic feet. | Value. | Number. | Cubic feet. | Value. | In favour of the year. | Against the year. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | *Central Circle —cont.* | | | RS. | | | RS. | RS. | RS. |
| Nellore | Timber | .. | 772 | 398 | .. | 153 | 101 | .. | 297 |
| | Fuel | .. | 197,708 | 20,896 | .. | 93,537 | 8,475 | .. | 12,421 |
| | Bamboos | 1,000 | .. | 13 | .. | .. | .. | .. | 13 |
| | Minor produce | .. | 10,205 | 5,189 | .. | 670 | 308 | .. | 4,881 |
| Chingleput. | Timber | .. | 264 | 49 | .. | 640 | 120 | 71 | .. |
| | Fuel | .. | 29,212 | 4,129 | .. | 20,858 | 3,217 | .. | 912 |
| | Minor produce | .. | (b) 3,987 | .. | .. | (b) 3,473 | .. | .. | .. |
| | *Madras Depots—* | | | | | | | | |
| | Timber | .. | .. | .. | 180 | 180 | 34 | 34 | .. |
| | Fuel | .. | 22,886 | 6,562 | .. | 19,228 | 4,908 | .. | 1,654 |
| | Bamboos | 6,268 | .. | 125 | 18,640 | .. | 349 | 224 | .. |
| | Minor produce | .. | 104 | 37 | .. | (b) 28 | .. | .. | 37 |
| North Arcot. | Timber | 3,621 | 2,962 | 17,255 | 2,487 | 4,473 | 38,882 | 21,627 | .. |
| | Fuel | .. | 27,202 | 1,524 | .. | 36,826 | 2,064 | 540 | .. |
| | Bamboos | .. | .. | .. | .. | .. | .. | .. | .. |
| | Minor produce | .. | 151 | 101 | .. | 81 | 61 | .. | 40 |
| Chittoor | Timber | .. | 3,424 | 1,186 | .. | 4,234 | 1,588 | 402 | .. |
| | Fuel | .. | 112,987 | 6,454 | .. | 16,497 | 2,062 | .. | 4,392 |
| | Bamboos | 36,294 | | 562 | 17,080 | .. | 342 | .. | 220 |
| | Minor produce | .. | 1,754 | 1,015 | .. | 203 | 126 | .. | 889 |
| South Arcot. | Fuel | .. | 6,683 | 1,412 | .. | 2,880 | 536 | .. | 876 |
| | Bamboos | .. | .. | .. | 156 | .. | 7 | 7 | .. |
| North Salem. | Timber | .. | 4,003 | 2,942 | .. | 4,346 | 3,259 | 317 | .. |
| | Fuel | .. | 85,283 | 10,659 | .. | 20,811 | 2,601 | .. | 8,058 |
| | Bamboos | 48,908 | .. | 960 | 30,556 | .. | 599 | .. | 361 |
| | Minor produce | .. | 250 | 25 | .. | 641 | 64 | 39 | .. |
| South Salem. | Timber | .. | 1,550 | 2,799 | .. | 955 | 440 | .. | 2,359 |
| | Fuel | .. | 16,362 | 2,067 | .. | 44,358 | 4,160 | 2,093 | .. |
| | Minor produce | .. | 250 | 5 | .. | 289 | 6 | 1 | .. |
| Trichinopoly. | Timber | .. | 174 | 314 | .. | 20 | 5 | .. | 309 |
| | Fuel | .. | (a) 56,020 | 3,502 | .. | 1,646 | 103 | .. | 3,399 |
| | Bamboos | (a) 5,778 | .. | 361 | 5,406 | .. | 338 | .. | 23 |
| Guntúr | Timber | .. | 2,116 | 823 | .. | 3,160 | 762 | .. | 61 |
| | Fuel | .. | 190,095 | 15,695 | .. | 125,875 | 10,690 | . | 5,005 |
| | Bamboos | .. | .. | .. | 150 | .. | 9 | 9 | .. |
| | Minor produce | .. | 1,760 | 363 | .. | 3,448 | 615 | 252 | .. |
| | Kurnool Fuel | .. | 57,800 | 5,003 | .. | 300 | 28 | .. | 4,975 |
| | Do. Bamboos. | 11,423 | .. | 747 | 8,628 | .. | 550 | .. | 197 |
| | *Southern Circle.* | | | | | | | | |
| Canara, South. | Timber | .. | 7,062 | 4,973 | .. | 3,657 | 2,795 | .. | 2,178 |
| | Fuel | .. | 60,819 | 6,872 | . | 57,125 | 6,396 | .. | 476 |
| | Bamboos | 228 | .. | 34 | 104 | | 12 | .. | 22 |
| | Minor produce | QRS. 34 | .. | 546 | QRS. 30 | .. | 226 | .. | 320 |
| Malabar, North. | Timber | .. | 55,556 | 29,082 | .. | 21,641 | 8,347 | .. | 20,735 |
| | Fuel | .. | 5,040 | 244 | .. | 5,480 | 462 | 218 | .. |
| | Bamboos | 1,887 | .. | 82 | 2,422 | .. | 218 | 136 | .. |
| | Minor produce | QRS. 22 | .. | 205 | *.. | .. | 47 | .. | 158 |
| Malabar, South. | Timber | .. | 70,189 | 81,480 | .. | 83,564 | 1,00,528 | 19,048 | .. |
| | Fuel | .. | 405 | 8 | .. | 4,715 | 230 | 222 | .. |
| | Bamboos | 27,648 | .. | 1,650 | 53,229 | .. | 3,726 | 2,076 | .. |
| | Minor produce | *.. | .. | 28 | *.. | .. | 13 | .. | 15 |

(a) Revised figures furnished by the Collector. (b) Value not settled for want of demand.

*N.B.* (*Central Circle*).—The difference between the closing balance of the previous year and the opening balance of the current year was due to the transfer of Kadiri range to Northern Circle and to revised figures furnished by Collectors.

* Less than one-quarter.

Statement showing the value of Timber and other Produce at sale depots for 1910–1911—*cont.*

| District. | Description of timber or produce. | On hand at commencement of the year. | | | On hand at close of the year. | | | Difference in value. | |
|---|---|---|---|---|---|---|---|---|---|
| | | Number. | Cubic feet. | Value. | Number. | Cubic feet. | Value. | In favour of the year. | Against the year. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | *Southern Circle* —cont. | | | RS. | | | RS. | RS. | RS. |
| Nilgiris, The. | Timber .. .. | .. | 7,805 | 4,061 | .. | 264 | 473 | .. | 3,588 |
| | Fuel .. .. | .. | 16,544 | 1,772 | .. | 14,236 | 1,324 | .. | 448 |
| | Minor produce .. | QRS. 12 | . | 331 | QRS. 3 | .. | 49 | .. | 282 |
| Kollegal .. | Timber .. | .. | 2,850 | 22,912 | .. | 3,634 | 23,599 | 687 | .. |
| | Fuel .. .. | .. | 9,494 | 593 | .. | .. | .. | .. | 593 |
| | Bamboos .. | 5,507 | .. | 80 | 17,790 | .. | 204 | 124 | .. |
| | Minor produce .. | QRS. 188 | | 2,143 | QRS. 708 | .. | 3,630 | 1,487 | .. |
| Coimbatore, North. | Timber .. .. | .. | 585 | 3,644 | .. | 51 | 8 | .. | 3,636 |
| | Fuel .. .. | .. | 88 | 34 | .. | .. | .. | .. | 34 |
| | Minor produce .. | QRS. 4,020 | .. | 5,191 | QRS. 3,420 | .. | 3,303 | .. | 1,888 |
| Coimbatore, Central. | Timber .. .. | .. | 13,031 | 2,000 | .. | .. | .. | .. | 2,000 |
| | Fuel .. .. | .. | 44,599 | 2,870 | .. | 15,408 | 1,118 | .. | 1,752 |
| | Minor produce .. | QRS. 19,179 | .. | 3,441 | QRS. 10,853 | .. | 1,738 | .. | 1,703 |
| Coimbatore, South. | Timber .. .. | .. | 41,214 | 76,620 | .. | 75,280 | 100,645 | 24,025 | .. |
| | Fuel .. .. | . | 2,293 | 168 | .. | 1,124 | 76 | .. | 92 |
| | Bamboos .. | 2,183 | .. | 202 | 40 | .. | 11 | .. | 191 |
| | Minor produce .. | .. | .. | .. | QRS. 73 | .. | 270 | 270 | .. |
| Madura .. | Timber .. .. | .. | 973 | 225 | .. | 679 | 170 | .. | 55 |
| | Fuel .. .. | .. | 4,775 | 412 | .. | 948 | 95 | .. | 317 |
| Rámnád .. | Minor produce .. | .. | .. | .. | QRS. 14 | .. | 52 | 52 | .. |
| Tinnevelly .. | Timber .. .. | .. | .. | .. | .. | 733 | 55 | 55 | .. |
| | Fuel .. .. | .. | 37 | 5 | .. | 2,538 | 127 | 122 | .. |
| | Minor produce .. | QRS. 67 | .. | 248 | QRS. 62 | .. | 236 | .. | 12 |

ABSTRACT.

| District. | Description of timber or produce. | Number. | Cubic feet. | Value. | Number. | Cubic feet. | Value. | In favour of the year. | Against the year. |
|---|---|---|---|---|---|---|---|---|---|
| Northern Circle. | Timber .. .. | .. | 147,895 | 78,106 | .. | 179,998 | 117,822 | 39,716 | .. |
| | Fuel .. .. | .. | 1,544,990 | 77,715 | .. | 1,088,282 | 69,906 | .. | 7,809 |
| | Bamboos .. | 164,678 | .. | 4,058 | 151,406 | .. | 3,244 | .. | 814 |
| | Minor produce .. | MDS. 571,568 | .. | 7,542 | MDS. 109,830 | .. | 8,228 | 686 | .. |
| | Total value .. | .. | .. | 1,67,421 | .. | .. | 1,99,200 | 31,779 | .. |
| Central Circle. | Timber .. .. | .. | 22,999 | 34,507 | .. | 28,308 | 52,802 | 18,295 | .. |
| | Fuel .. .. | .. | 1,072,969 | 90,378 | .. | 575,762 | 43,969 | .. | 46,409 |
| | Bamboos .. | 125,202 | .. | 3,243 | 86,943 | .. | 2,288 | .. | 955 |
| | Minor produce .. | MDS. 19,344 | .. | 6,944 | 10,896 | .. | 1,388 | .. | 5,556 |
| | Total, value .. | .. | .. | 1,35,072 | .. | .. | 1,00,447 | .. | 34,625 |
| Southern Circle. | Timber .. .. | .. | 199,265 | 2,24,997 | .. | 189,503 | 2,36,620 | 11,623 | .. |
| | Fuel .. . | .. | 144,094 | 12,978 | .. | 101,574 | 9,828 | .. | 3,150 |
| | Bamboos .. | 37,453 | .. | 2,048 | 73,585 | .. | 4,171 | 2,123 | .. |
| | Minor produce .. | QRS. 23,522 | .. | 12,133 | QRS. 15,163 | .. | 9,564 | .. | 2,569 |
| | Total value .. | . | .. | 2,52,156 | .. | .. | 2,60,183 | 8,027 | . |
| | Grand Total, Presidency. | .. | .. | 554,649 | .. | .. | 559,830 | 5,181 | .. |

ANNUAL FORM No. 80.

*Forest Department, Madras Presidency.*

SUMMARY of Revenue of the different districts, for the Forest year 1910–1911.

ANNUAL

*Forest Department,*

SUMMARY of Revenue of the different districts,

| Budget heads, Receipts. | Northern | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Direction. | Parláki-medi Maliahs. | Ganjám. | Vizaga-patam. | Gódávari, Upper. | Gódávari, Lower. | Kistna. | Old West Kurnool. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Receipts.* | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| I. Timber and other produce removed from the forests by Government Agency— | | | | | | | | |
| (*a*) Timber .. .. .. .. | 41 | 1,068 | 15,074 | 1,644 | 3,949 | 10 | 1,286 | 5,216 |
| (*b*) Firewood and charcoal .. .. | 62 | 4 | 7,005 | 8,535 | 1,451 | 34,058 | 54,768 | 11,322 |
| (*c*) Bamboos .. .. .. .. | .. | .. | 8,241 | 13,940 | 22 | 100 | 347 | 10,060 |
| (*d*) Sandalwood .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. |
| (*e*) Grass and other minor produce .. | 3 | .. | 332 | 360 | 1,615 | 33 | 101 | 950 |
| II. Timber and other produce removed from the forests by consumers or purchasers— | | | | | | | | |
| (*a*) Timber .. .. .. .. | .. | 205 | 9,249 | 1,361 | 5,590 | 20,314 | 4,701 | 663 |
| (*b*) Firewood and charcoal .. .. | .. | 394 | 2,816 | 1,551 | 177 | 36,334 | 11,726 | 3,782 |
| (*c*) Bamboos .. .. .. .. | .. | 65 | 815 | 3,702 | 7,873 | 6,963 | 853 | |
| (*d*) Grazing and fodder grass .. | .. | 169 | 11,952 | 5,536 | 8,973 | 17,173 | 18,110 | 24,156 |
| (*e*) Other produce .. .. .. | .. | 1,017 | 3,346 | 8,642 | 1,187 | 27,973 | 9,400 | 6,252 |
| (*f*) Tree-owner's fees .. .. | .. | .. | 753 | 244 | .. | 5,283 | 9,837 | 9,043 |
| (*g*) Other items .. .. .. | .. | .. | .. | .. | .. | .. | | .. |
| (*h*) Commutation fees .. .. | .. | .. | .. | | 1,551 | | .. | .. |
| III. Confiscated drift and waifwood .. .. | .. | 56 | 231 | 53 | 703 | 6,214 | 198 | 203 |
| IV. Revenue from forests not managed by Government .. .. .. .. | .. | .. | .. | .. | .. | .. | .. | |
| V. Miscellaneous— | | | | | | | | |
| (*a*) Fines and forfeitures .. .. | .. | 549 | 1,932 | 1,962 | 283 | 2,404 | 4,518 | 5,429 |
| (*b*) Other sources .. .. .. | 73 | —12 | 72 | 226 | 507 | 4,708 | 495 | 2,091 |
| Total, Receipts .. | 179 | 3,515 | 61,818 | 47,756 | 33,881 | 1,61,567 | 1,16,340 | 79,167 |

| Budget heads. | Central Circle—*cont.* | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Chingle-put. | Chittoor. | North Arcot. | South Arcot. | North Salem. | South Salem. | Trichi-nopoly. | Total. |
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| *Receipts.* | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| I. Timber and other produce removed from the forests by Government Agency— | | | | | | | | |
| (*a*) Timber .. .. .. .. | 376 | 398 | 3,906 | 39 | 6,784 | 2,161 | 19 | 52,331 |
| (*b*) Firewood and charcoal .. .. | 32,469 | 4,368 | 58,870 | 50,295 | 37,958 | 29,157 | 53,455 | 5,05,647 |
| (*c*) Bamboos .. .. .. .. | .. | 1,184 | 562 | 117 | 3,755 | .. | 1,787 | 7,754 |
| (*d*) Sandalwood .. .. .. | .. | 60 | 15,186 | 25,974 | 20,072 | 2,348 | 25 | 63,665 |
| (*e*) Grass and other minor produce .. | 1,165 | 316 | 1,423 | 72 | 389 | 2 | 21 | 7,562 |
| II. Timber and other produce removed from the forests by consumers or purchasers— | | | | | | | | |
| (*a*) Timber .. .. .. .. | 8,577 | 1,343 | 14,038 | 10,566 | 6,932 | 9,045 | 9,983 | 88,824 |
| (*b*) Firewood and charcoal .. .. | 7,653 | 2,237 | 13,556 | 31,774 | 1,711 | 6,347 | 58,513 | 1,61,501 |
| (*c*) Bamboos .. .. .. .. | 206 | 509 | 28,360 | 9,364 | 20,077 | 14,058 | 823 | 79,554 |
| (*d*) Grazing and fodder grass .. | 12,814 | 17,842 | 40,916 | 40,886 | 38,816 | 23,323 | 15,227 | 3,55,471 |
| (*e*) Other produce .. .. .. | 16,981 | 32,121 | 39,120 | 41,694 | 20,101 | 16,884 | 27,100 | 2,77,149 |
| (*f*) Tree-owner's fees .. .. | 3,949 | 1,791 | 7,592 | 2,352 | 1,699 | 237 | 309 | 28,481 |
| (*g*) Other items .. .. .. | .. | | .. | .. | 425 | 1,332 | .. | 2,209 |
| (*h*) Commutation fees .. .. | .. | .. | .. | .. | .. | 9,779 | .. | 9,779 |
| III. Confiscated drift and waifwood .. .. | 73 | 192 | 188 | 323 | 73 | 98 | 30 | 1,983 |
| IV. Revenue from forests not managed by Government. .. .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. |
| V. Miscellaneous— | | | | | | | | |
| (*a*) Fines and forfeitures .. .. | 4,067 | 3,371 | 26,431 | 21,777 | 5,648 | 9,125 | 21,918 | 1,15,251 |
| (*b*) Other sources .. .. .. | 715 | 140 | 1,116 | 998 | 1,426 | 3,079 | 1,989 | 13,121 |
| Total, Receipts .. | 89,045 | 65,872 | 2,51,264 | 2,36,231 | 1,65,866 | 1,26,975 | 1,91,199 | 17,70,282 |

FORM No. 80.

*Madras Presidency.*

for the Forest year 1910–1911.

| Circle. | | | | | | | Central Circle. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Old East Kurnool. | New West Kurnool. | New East Kurnool. | South Kurnool. | Bellary. | Ananta-pur. | Total. | Direction. | Guntúr. | Nellore. | Cuddapah, North. | Cudda-pah, East. |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| 5,757 | 12,508 | 4,229 | 3,990 | 912 | 1,289 | 56,973 | .. | 2,957 | 323 | 18,766 | 16,602 |
| 8,752 | 23,004 | 1,509 | 13,811 | 12,209 | 25,009 | 2,01,499 | .. | 47,189 | 1,11,328 | 33,084 | 47,474 |
| 4,218 | 23,855 | 5,956 | 14,426 | 416 | 1,003 | 82,584 | .. | —223 | 3 | 565 | 4 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 2,373 | 268 | 162 | 51 | 2,146 | .. | 8,394 | .. | 464 | 3,473 | 107 | 130 |
| 26 | 1,247 | .. | 1,586 | 12,071 | 10,928 | 67,941 | .. | 20,225 | 6,796 | 1,404 | 415 |
| 191 | 6,637 | 992 | 1,408 | 2,944 | 1,536 | 40,488 | .. | 1,354 | 33,380 | 4,546 | 430 |
| .. | 54 | 36 | 17 | 249 | 48 | 50,675 | .. | | 25 | 1,311 | 4,821 |
| 28,697 | 1,766 | 3,356 | 548 | 43,210 | 22,808 | 1,86,454 | .. | 74,564 | 48,940 | 22,576 | 19,567 |
| 767 | 10,874 | 2,750 | 6,370 | 42,570 | 58,351 | 1,79,499 | .. | 15,870 | 36,309 | 18,311 | 12,658 |
| 1,189 | 8,630 | 614 | 1,663 | 22,353 | 8,986 | 68,595 | .. | 4,945 | 2,033 | 1,613 | 1,961 |
| 101 | .. | .. | 16 | .. | .. | 117 | .. | .. | .. | .. | 452 |
| .. | .. | .. | .. | .. | .. | 1,551 | .. | .. | .. | .. | .. |
| 218 | 311 | 37 | 609 | 60 | 117 | 9,010 | .. | 148 | 514 | 134 | 210 |
| .. | .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 2,539 | 1,749 | 908 | 1,123 | 6,586 | 4,209 | 34,191 | .. | 11,391 | 4,906 | 3,073 | 3,544 |
| 1,396 | 1,220 | 264 | —234 | 73 | 1,089 | 11,968 | 15 | 2,292 | 320 | 464 | 567 |
| 56,224 | 92,123 | 20,813 | 45,384 | 1,45,799 | 1,35,373 | 9,99,939 | 15 | 1,81,176 | 2,47,850 | 1,05,954 | 1,08,835 |

| Southern Circle. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Direction. | South Canara. | North Malabar. | South Malabar. | Nilgiris. | Kollegal. | North Coim-batore. | Central Coim-batore. | South Coim-batore. | Madura. | Ramnad. | Tinne-velly. | Total. |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| 230 | 5,337 | 20,997 | 82,253 | 8,258 | 641 | 577 | 1,571 | 29,760 | 68 | .. | 576 | 1,50,268 |
| .. | 34,846 | 373 | 74 | 23,289 | 4,602 | 13,567 | 21,265 | 8,254 | 72,233 | .. | 1,424 | 1,79,927 |
| .. | 208 | 1,426 | 2,918 | .. | 913 | 9 | .. | 650 | .. | .. | .. | 6,124 |
| 57,310 | 2 | .. | .. | 5,170 | 2 | 26 | .. | .. | —15 | .. | .. | 62,495 |
| 192 | 11,097 | 306 | 162 | 2,457 | 722 | 7,856 | 680 | 14 | 256 | .. | 54 | 23,796 |
| .. | 6,181 | 9,462 | 4,093 | 375 | 1,048 | 2,634 | 4,577 | 754 | 10,929 | 461 | 5,325 | 45,839 |
| .. | 15,084 | 11 | 11 | 2,020 | 397 | 1,760 | 29,359 | 2,053 | 54,344 | 25,790 | 55,078 | 1,85,907 |
| .. | 1,355 | 242 | 676 | 2,459 | 1,657 | 11,776 | 5,339 | 1,942 | 4,598 | .. | 280 | 30,324 |
| .. | 10,458 | 1,598 | 5 | 7,354 | 6,424 | 10,938 | 3,267 | 1,321 | 45,738 | 599 | 2,016 | 89,718 |
| 530 | 16,026 | 2,750 | 1,743 | 1,582 | 812 | 4,855 | 7,893 | 5,708 | 32,512 | 1,648 | 36,058 | 1,12,117 |
| | 3,356 | .. | 3 | .. | 27 | .. | .. | .. | 16 | .. | 668 | 4,070 |
| .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 1,150 | 720 | 4 | 48 | 144 | 181 | 539 | 110 | 513 | 256 | 970 | 4,635 |
| .. | .. | .. | .. | .. | .. | .. | | .. | .. | .. | .. | .. |
| .. | 4,727 | 103 | 477 | 652 | 3,086 | 5,294 | 5,707 | 1,436 | 19,187 | 1,901 | 6,497 | 49,067 |
| 14,010 | 7,132 | 5,685 | 2,134 | 5,573 | 1,119 | 3,567 | 825 | 13,698 | 1,786 | 178 | 1,274 | 57,431 |
| 72,272 | 1,16,959 | 43,673 | 94,554 | 59,237 | 21,594 | 63,040 | 81,022 | 65,700 | 2,42,165 | * 30,888 | 1,10,670 | 10,01,719 |

* For six months from January 1911.

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 1st *September* 1911.

A. RAJAGOPALA AIYAR,
*Assistant Accountant-General.*

*Northern Circle.*

NOTE.—This statement excludes Rs. 20,965 under I (*b*) and Rs. 1,875 under I (*c*) realized in Guntúr by sale of fuel and bamboos of Kurnool since reported by the Conservator of Forests, Central Circle.

P. M. LUSHINGTON,
*Conservator of Forests, Northern Circle.*

*Southern Circle.*

NOTE.—The revenue under "Direction" is distributed as follows:—

I. (*a*) South Malabar, Rs. 230.
(*d*) Kollegal, Rs. 22,140 ; North Coimbatore, Rs. 35,170.
(*e*) North Malabar, Rs. 8 ; Tinnevelly, Rs. 184.

II. (*e*) South Coimbatore, Rs. 530.
V. (*b*) South Malabar, Rs. 1,000 ; South Coimbatore, Rs. 12,687 ; Direction, Rs. 323.

*Forest Department, Madras*

SUMMARY of Expenditure of the different

| Budget heads. | Direction. | Parlákimedi Maliahs. | Ganjám. | Vizagapatam. | Gódávari, Upper. | Gódávari, Lower. |
|---|---|---|---|---|---|---|
| | RS. | RS. | RS. | RS. | RS. | RS. |
| I. Refunds and drawbacks .. .. | .. | .. | 126 | — 18 | 144 | 374 |
| *A. Conservancy and Works.* | | | | | | |
| Timber and other produce removed from the forest by Government Agency— | | | | | | |
| (*a*) Timber .. .. .. | 2 | 600 | 3,050 | 309 | 327 | .. |
| (*b*) Firewood and charcoal. | 49 | .. | 5,613 | 5,071 | 1,149 | 12,042 |
| (*c*) Bamboos .. .. | .. | 1 | 6,203 | 7,072 | .. | 16 |
| (*d*) Sandalwood .. .. | .. | .. | .. | .. | .. | .. |
| (*e*) Grass and other minor produce .. .. .. | .. | .. | 693 | 13 | 685 | 23 |
| II. Timber and other produce removed from the forests by consumers or purchasers .. | .. | 1,593 | 6,033 | 4,630 | 4,141 | 11,396 |
| III. Confiscated drift and waifwood. | .. | 1 | 13 | .. | 33 | 1,452 |
| V. Rent of leased forests and payments to share-holders in forests managed by Government .. .. .. .. | .. | .. | .. | 400 | .. | .. |
| VI Live-stock, stores, tools and plant— | | | | | | |
| (*a*) Purchase of cattle .. | .. | .. | 6,027 | .. | .. | .. |
| (*b*) Feed and keep of cattle. | .. | .. | 1,868 | 978 | 1,254 | .. |
| (*c*) Stores, tools and plant. | 591 | 870 | 2,381 | 270 | 1,473 | 4,962 |
| VII. Communications and buildings— | | | | | | |
| (*a*) Roads and bridges .. | 5,103 | 90 | 5,209 | 482 | 976 | 3,699 |
| (*b*) Buildings .. .. | 5,520 | 55 | 10,081 | 1,960 | 6,135 | 3,900 |
| (*c*) Other works .. .. | .. | .. | 518 | 71 | 300 | 431 |
| VIII. Demarcation, improvement and extension of forests— | | | | | | |
| (*a*) Demarcation .. .. | .. | 471 | 3,548 | 258 | 5,174 | 666 |
| (*b*) Cost of forest settlement; compensation for land and rights .. .. .. | .. | .. | 101 | .. | 104 | 5 |
| (*c*) Surveys— | | | | | | |
| (1) Local .. .. | 358 | 3 | 1,347 | .. | 3,248 | 360 |
| (2) India .. .. | 88 | .. | .. | .. | — 312 | .. |
| (*d*) Working plans .. .. | .. | .. | .. | .. | .. | 394 |
| (*e*) Sowing and planting .. | 6,270 | 294 | 3,226 | 50 | 748 | 5,128 |
| (*f*) Protection from fire .. | .. | .. | 3,001 | 2,259 | 9,437 | 2,113 |
| (*g*) Other works .. .. | .. | .. | 304 | 1 | — 5 | 122 |
| IX. Miscellaneous— | | | | | | |
| (*a*) Law charges .. .. | .. | .. | .. | .. | .. | .. |
| (*b*) Other charges .. .. | 651 | .. | 14 | 2 | 1,528 | 512 |
| Total, A. Conservancy and Works .. | 18,632 | 3,978 | 59,356 | 23,808 | 36,539 | 47,595 |

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 1st *September* 1911.

*Presidency, Northern Circle.*

districts for the Forest year 1910–1911.

| Kistna. | Old West Kurnool. | Old East Kurnool. | Kurnool, West. | Kurnool, East. | Kurnool, South. | Bellary. | Anantapur. | Total. |
|---|---|---|---|---|---|---|---|---|
| RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| 681 | 316 | 7 | 178 | 74 | 46 | 2,008 | 458 | 4,394 |
| 630 | 4,440 | 5,036 | 7,616 | 2,773 | 5,199 | 266 | 3,272 | 33,520 |
| 32,243 | 9,201 | 5,566 | 19,648 | 1,363 | 9,734 | 10,301 | 13,440 | 1,25,420 |
| 736 | 5,995 | 2,813 | 11,625 | 3,307 | 9,145 | 285 | 545 | 47,743 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 344 | 520 | 278 | 776 | 659 | 992 | 952 | .. | 5,935 |
| 2,259 | 5,924 | 4,398 | 5,254 | 2,692 | 2,624 | 2,708 | 2,293 | 55,945 |
| 5 | 11 | 3 | 7 | .. | 5 | .. | .. | 1,530 |
| .. | .. | .. | .. | .. | .. | 8,000 | .. | 8,400 |
| .. | .. | .. | .. | .. | .. | .. | .. | 6,027 |
| .. | 320 | 638 | 412 | .. | 902 | 3,199 | .. | 9,571 |
| 463 | 393 | 246 | 1,351 | 929 | 1,360 | 2,458 | 368 | 18,115 |
| 1,882 | 115 | 3,966 | 1,694 | 2,876 | 3,891 | 426 | 579 | 30,988 |
| 1,240 | 776 | 4,060 | 9,446 | 3,095 | 7,582 | 8,051 | 7,029 | 68,930 |
| 845 | 239 | 401 | 168 | 762 | 123 | 1,354 | 2,043 | 7,255 |
| 604 | 578 | 33 | 320 | 464 | 117 | 828 | 1,173 | 14,234 |
| .. | .. | .. | .. | 319 | 1 | .. | 669 | 1,199 |
| 882 | 461 | 756 | 604 | 494 | 581 | 769 | 757 | 10,620 |
| .. | .. | .. | .. | .. | .. | .. | .. | — 224 |
| .. | .. | .. | .. | .. | .. | .. | .. | 394 |
| 14,568 | 21,573 | 3,982 | 26,839 | 4,938 | 838 | 41,032 | 14,135 | 1,43,621 |
| 910 | 1,701 | 5,745 | 7,355 | 3,349 | 15,094 | 6,843 | 3,265 | 61,072 |
| 11,187 | 1 345 | .. | 474 | 824 | 440 | 15,312 | 9,247 | 39,251 |
| .. | .. | .. | .. | .. | .. | .. | 45 | 45 |
| .. | 5 | 364 | 6 | .. | .. | 15 | — 409 | 2,688 |
| 69,479 | 53,913 | 38,292 | 93,773 | 28,918 | 58,674 | 1,04,807 | 58,909 | 6,96,673 |

A. Rajagopala Aiyar,
*Assistant Accountant-General.*

Note.—This statement excludes Rs. 20,965 under I (*b*) and Rs. 1,875 under I (*c*) realized in Guntúr by sale of fuel and bamboos of Kurnool since reported by the Conservator of Forests, Central Circle.

P. M. Lushington,
*Conservator of Forests, Northern Circle.*

Summary of Expenditure of the different districts for the Forest year 1910–1911—*cont.*

| Budget heads. | Direction. | Parlákimedi. | Ganjám. | Vizagapatam. | Upper Gódávari. | Lower Gódávari. | Kistna | Old West Kurnool. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| *B. Establishments.* | | | | | | | | |
| Brought forward, Total, A. Conservancy and Works .. .. .. .. | 18,632 | 3,978 | 59,356 | 23,808 | 36,539 | 47,595 | 69,479 | 53,913 |
| I. Salaries— | | | | | | | | |
| (*a*) Conservators .. .. .. | 23,574 | .. | .. | .. | .. | .. | .. | .. |
| (*b*) Superior officers .. .. .. | 7,190 | 4,770 | 9,093 | 15,539 | 3,600 | 7,438 | 4,970 | 3,550 |
| (*c*) Subordinate Forest and Depot establishments .. .. . | 9,139 | 3,556 | 20,418 | 6,478 | 7,282 | 10,305 | 8,511 | 10,342 |
| (*d*) Office establishments .. .. | 10,379 | 960 | 5,564 | 3,108 | 3,791 | 5,368 | 3,413 | 3,551 |
| (*e*) Deputation and special allowances .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Exchange compensation allowance. | .. | .. | .. | .. | .. | .. | .. | .. |
| II. Travelling allowances— | | | | | | | | |
| (*a*) Conservators .. .. .. | 3,538 | .. | .. | .. | .. | .. | .. | .. |
| (*b*) Superior officers .. .. .. | 951 | 1,371 | 1,705 | 1,618 | 1,247 | 961 | 1,177 | 1,001 |
| (*c*) Subordinate Forest and Depot establishments .. .. | 2,205 | 1,066 | 5,694 | 1,676 | 2,017 | 2,767 | 2,765 | 3,108 |
| (*d*) Office establishments .. .. | 1,313 | 301 | 1,690 | 643 | 1,103 | 1,246 | 879 | 636 |
| III. Contingencies— | | | | | | | | |
| (*a*) Rents, rates and taxes .. .. | 107 | 28 | 94 | 399 | 14 | 171 | 455 | 80 |
| (*b*) Official postage and telegrams.. | 1,474 | 109 | 1,330 | 597 | 786 | 1,676 | 1,046 | 677 |
| (*c*) Sundries .. .. .. .. | 1,592 | 446 | 2,488 | 784 | 1,216 | 2,271 | 899 | 1,080 |
| Total, B. Establishments .. | 61,462 | 12,607 | 48,076 | 30,842 | 21,056 | 32,203 | 24,115 | 24,025 |
| Grand Total of expenditure .. | 80,094 | 16,585 | 1,07,432 | 54,650 | 57,595 | 79,798 | 93,594 | 77,938 |

| Budget heads. | Old East Kurnool. | West Kurnool. | East Kurnool. | South Kurnool. | Bellary. | Anantapur. | Total. |
|---|---|---|---|---|---|---|---|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| *B. Establishments.* | | | | | | | |
| Brought forward, Total, A. Conservancy and Works.. .. .. .. .. | 38,292 | 93,773 | 28,918 | 58,674 | 1,04,807 | 58,909 | 6,96,673 |
| I. Salaries— | | | | | | | |
| (*a*) Conservators .. .. .. | .. | .. | .. | .. | .. | .. | 23,574 |
| (*b*) Superior officers . .. .. | 3,750 | 9,824 | 1,624 | 6,950 | 12,485 | 11,039 | 1,01,822 |
| (*c*) Subordinate Forest and Depot establishments .. .. .. | 9,837 | 11,816 | 5,854 | 11,269 | 21,417 | 11,579 | 1,47,803 |
| (*d*) Office establishments .. .. | 2,747 | 3,906 | 2,229 | 2,973 | 7,231 | 4,361 | 59,581 |
| (*e*) Deputation and special allowances .. .. .. | .. | .. | .. | .. | .. | .. | .. |
| Exchange compensation allowances. | .. | .. | .. | .. | .. | .. | .. |
| II. Travelling allowances— | | | | | | | |
| (*a*) Conservators .. .. .. | .. | .. | .. | .. | .. | .. | 3,538 |
| (*b*) Superior officers .. .. .. | 845 | 1,495 | 793 | 1,584 | 1,838 | 1,541 | 18,127 |
| (*c*) Subordinate Forest and Depot establishments .. .. .. | 2,600 | 3,599 | 1,731 | 3,671 | 5,605 | 3,088 | 41,592 |
| (*d*) Office establishments .. .. | 962 | 761 | 860 | 1,012 | 1,010 | 1,394 | 13,810 |
| III. Contingencies— | | | | | | | |
| (*a*) Rents, rates and taxes .. .. | 77 | 121 | 114 | 79 | 754 | 167 | 2,660 |
| (*b*) Official Postage and telegrams.. | 555 | 918 | 351 | 783 | 1,250 | 1,296 | 12,848 |
| (*c*) Sundries .. .. .. . | 767 | 1,103 | 1,282 | 709 | 1,453 | 1,709 | 17,799 |
| Total, B. Establishments .. | 22,140 | 33,543 | 14,838 | 29,030 | 53,043 | 36,174 | 4,43,154 |
| Grand Total of expenditure .. | 60,432 | 1,27,316 | 43,756 | 87,704 | 1,57,850 | 95,083 | 11,39,827 |

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 1*st September* 1911.

A. RAJAGOPALA AIYAR,
*Assistant Accountant-General.*

*Forest Department, Madras Presidency, Central Circle.*

SUMMARY of Expenditure of the different districts for the Forest year 1910–1911.

| Budget heads. | Direction. | Guntúr. | Nellore. | Cuddapah, North. | Cuddapah, East. | Chingleput. | Chittoor. | North Arcot. | South Arcot. | North Salem. | South Salem. | Trichinopoly. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| I. REFUNDS AND DRAWBACKS. | 100 | 759 | 3,230 | 1,641 | 253 | 441 | 467 | 2,189 | 875 | 633 | 182 | 2,15 | 12,922 |
| *A. Conservancy and Works.* | | | | | | | | | | | | | |
| Timber and other produce removed from the forest by Government Agency – | | | | | | | | | | | | | |
| (*a*) Timber .. | .. | 918 | 183 | 10,679 | 4,193 | 251 | 89 | 691 | 123 | 3,731 | 1,285 | 1 | 22,144 |
| (*b*) Firewood and charcoal .. | .. | 10,202 | 74,441 | 24,894 | 33,160 | 12,630 | 3,751 | 28,227 | 15,036 | 27,678 | 24,305 | 30,206 | 2,84,530 |
| (*c*) Bamboos .. | .. | —38 | .. | 215 | 2 | .. | 801 | 734 | 194 | 2,486 | .. | 1,773 | 6,167 |
| (*d*) Sandalwood .. | .. | .. | .. | .. | .. | .. | 3 | 1,384 | 2,518 | 2,505 | 1 | .. | 6,411 |
| (*e*) Grass and other minor produce .. | .. | 3,346 | 3,138 | 154 | 1,303 | 4 | 386 | 447 | 3 | 197 | 50 | 45 | 9,073 |
| II. Timber and other produce removed from the forests by consumers or purchasers .. | .. | 3,386 | 3,326 | 6,651 | 7,572 | 1,834 | 2,237 | 4,300 | 2,576 | 1,556 | 3,938 | 1,891 | 39,267 |
| III. Confiscated drift and waifwood .. .. | .. | 5 | .. | 13 | 76 | 1 | .. | 2 | 3 | 1 | 4 | 2 | 107 |
| V. Rent of leased forests and payments to shareholders in forests managed by Government .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 41 | .. | .. | 41 |
| VI. Live-stock, stores, tools and plant— | | | | | | | | | | | | | |
| (*a*) Purchase of cattle .. | .. | .. | .. | .. | 321 | .. | .. | —36 | .. | 1,675 | 1,016 | .. | 2,976 |
| (*b*) Feed and keep of cattle .. | .. | .. | .. | .. | 1,105 | .. | 60 | 427 | 292 | 7,600 | 1,024 | 1,780 | 12,288 |
| (*c*) Stores, tools and plant .. | 711 | 1,407 | 3,622 | 975 | 2,327 | 251 | 472 | 2,171 | 597 | 2,862 | 627 | 1,286 | 17,308 |
| VII. Communications and buildings— | | | | | | | | | | | | | |
| (*a*) Roads and bridges .. | 1 | .. | 142 | 2,891 | 1,031 | 291 | 78 | 3,026 | 793 | 18,597 | 203 | 1,737 | 28,790 |
| (*b*) Buildings .. | 10 | 1,353 | 6,320 | 1,215 | 1,890 | 1,673 | 1,356 | 3,318 | 9,939 | 2,808 | 1,897 | 3,361 | 35,140 |
| (*c*) Other works .. | .. | 216 | 1,004 | 370 | 85 | 4 | 17 | 73 | 418 | 1,072 | 301 | 87 | 3,647 |
| VIII. Demarcation, improvement and extension of forests— | | | | | | | | | | | | | |
| (*a*) Demarcation .. | .. | 37 | 619 | 434 | 685 | 2,165 | 65 | 337 | 743 | 443 | 263 | 631 | 6,422 |
| (*b*) Cost of forest settlement; compensation for land and rights .. | .. | 244 | .. | .. | .. | .. | .. | .. | .. | 2,872 | .. | .. | 3,116 |
| (*c*) Surveys— | | | | | | | | | | | | | |
| (1) Local .. | 884 | 375 | 849 | .. | 398 | 372 | .. | 379 | 476 | 1,459 | 1,012 | 1,243 | 7,447 |
| (2) India .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| (*d*) Working-plans. | .. | .. | 225 | 478 | 42 | .. | .. | 18 | 143 | 35 | | .. | 941 |
| (*e*) Sowing and planting .. | 318 | 14,427 | 18,991 | 1,201 | 849 | 4,396 | 362 | 3,629 | 7,550 | 861 | 950 | 4,880 | 58,414 |
| (*f*) Protection from fire .. .. | .. | 265 | 1,167 | 4,062 | 3,889 | 1,012 | 664 | 1,959 | 926 | 1,690 | 3,210 | 60 | 18,904 |
| (*g*) Other works .. | .. | 9,135 | 6,636 | 3,586 | 1,112 | 8,198 | 2,911 | 16,902 | 16,982 | 6,874 | 6,522 | 5,754 | 84,612 |
| X. Miscellaneous— | | | | | | | | | | | | | |
| (*a*) Law charges .. | .. | .. | .. | .. | 3 | .. | .. | .. | .. | .. | .. | 100 | 103 |
| (*b*) Other charges .. | .. | 56 | 177 | 11 | 11 | .. | .. | 7 | 5 | 162 | 719 | 480 | 1,628 |
| Total, A. Conservancy and Works .. .. .. | 2,024 | 46,093 | 1,24,070 | 59,470 | 60,307 | 33,523 | 13,719 | 70,184 | 60,192 | 87,838 | 47,509 | 57,469 | 6,62,398 |

## Summary of Expenditure of the different districts for the Forest year 1910–1911—*cont.*

| Budget heads. | Direction. | Guntúr. | Nellore. | Cuddapah, North. | Cuddapah, East. | Chingleput. | Chittoor. | North Arcot. | South Arcot. | North Salem. | South Salem. | Trichinopoly. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| Brought forward, Total A. "Conservancy and Works" .. .. .. | 2,024 | 46,093 | 1,24,070 | 59,470 | 60,307 | 33,523 | 13,719 | 70,184 | 60,192 | 87,838 | 47,509 | 57,469 | 6,62,398 |
| *B. Establishments.* | | | | | | | | | | | | | |
| I. Salaries— | | | | | | | | | | | | | |
| (*a*) Conservators .. .. | 18,000 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 18,000 |
| (*b*) Superior officers .. | 2,500 | 12,918 | 5,321 | 3,761 | 4,010 | 3,738 | 5,827 | 12,624 | 5,100 | 16,219 | 5,360 | 17,502 | 94,880 |
| (*c*) Subordinate Forest and Depot establishments. | 11,559 | 12,675 | 15,349 | 8,028 | 10,546 | 7,310 | 5,118 | 20,763 | 13,729 | 12,137 | 11,888 | 13,906 | 1,43,008 |
| (*d*) Office establishments .. | 9,443 | 5,379 | 10,389 | 4,064 | 4,194 | 2,965 | 2,820 | 6,241 | 7,501 | 5,485 | 5,226 | 6,698 | 70,405 |
| (*e*) Deputation and Special allowances .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| II. Travelling allowances— | | | | | | | | | | | | | |
| (*a*) Conservators .. | 2,218 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2,218 |
| (*b*) Superior officers .. | 10 | 740 | 850 | 1,843 | 1,499 | 1,223 | 556 | 1,167 | 1,287 | 2,383 | 1,148 | 1,702 | 14,408 |
| (*c*) Subordinate Forest and Depot establishments .. | 2,345 | 3,625 | 5,143 | 2,379 | 2,612 | 2,021 | 1,425 | 4,896 | 4,062 | 4,449 | 3,620 | 5,995 | 42,572 |
| (*d*) Office establishments .. .. | 737 | 1,134 | 2,324 | 859 | 925 | 407 | 858 | 957 | 1,274 | 1,197 | 662 | 2,079 | 13,413 |
| III. Contingencies— | | | | | | | | | | | | | |
| (*a*) Rents, rates and taxes. | .. | 257 | 893 | 281 | 338 | 202 | 303 | 269 | 510 | 91 | 59 | 204 | 3,407 |
| (*b*) Official postage and service telegrams .. | 1,078 | 1,260 | 1,548 | 892 | 774 | 722 | 817 | 2,474 | 2,047 | 1,723 | 913 | 1,966 | 16,214 |
| (*c*) Sundries .. .. | 745 | 1,323 | 1,326 | 1,220 | 902 | 475 | 825 | 1,392 | 2,101 | 1,649 | 734 | 2,620 | 15,312 |
| Total, B. "Establishments". | 48,635 | 39,311 | 43,143 | 23,327 | 25,800 | 19,063 | 18,549 | 50,783 | 37,611 | 45,333 | 29,610 | 52,672 | 4,33,837 |
| Grand total of expenditure. | 50,659 | 85,404 | 1,67,213 | 82,797 | 86,107 | 52,586 | 32,268 | 1,20,967 | 97,803 | 1,33,171 | 77,119 | 1,10,141 | 10,96,235 |

NOTE.—The form has been corrected in the Circle office by distributing the Madras Bank realizations and book adjustments and expenditure in Madras depots to the respective supplying districts and by deducting the revenue realized and expenditure incurred on account of the sale of Kurnool fuel and bamboos from the Guntúr district for transfer to Northern Circle to the credit of Kurnool district.

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 1st *September* 1911.

A. RAJAGOPALA AIYAR,
*Assistant Accountant-General.*

*Forest Department, Madras Presidency, Southern Circle.*

SUMMARY of Expenditure of the different districts for the Forest year 1910–1911.

| Budget heads. | Direction. | South Canara. | North Malabar. | South Malabar. | Nilgiris, The. | Kollegal. | Coimbatore, North. | Coimbatore, Central. | Coimbatore, South. | Madura. | Ramnad. | Tinnevelly. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RS. | RS. | RS | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| I. REFUNDS AND DRAWBACKS. | .. | 1,906 | 1,320 | .. | 113 | 73 | 499 | 960 | 341 | 1,532 | 2 | 123 | 6,869 |
| *A. Conservancy and Works.* | | | | | | | | | | | | | |
| I. Timber and other produce removed from the forests by Government Agency— | | | | | | | | | | | | | |
| (a) Timber .. | .. | 1,536 | 4,417 | 6,839 | 2,761 | 69 | 110 | 40 | 13,055 | .. | .. | 90 | 28,917 |
| (b) Firewood and charcoal .. | .. | 19,912 | 295 | 1 | 13,498 | 4,480 | 5,381 | 19,353 | 6,326 | 52,952 | .. | 278 | 1,22,476 |
| (c) Bamboos .. | .. | 188 | 716 | 2,301 | .. | 536 | .. | 5 | 575 | .. | .. | .. | 4,321 |
| (d) Sandalwood .. | . | 1 | .. | .. | 1,047 | 2,279 | 12,436 | .. | .. | .. | .. | .. | 16,763 |
| (e) Grass and other minor produce. | | 3,455 | 32 | .. | 1,176 | 1,030 | 5,818 | 871 | 143 | 312 | .. | 61 | 12,898 |
| II. Timber and other produce removed from the forests by consumers or purchasers .. | .. | 6,024 | 424 | 3 | 869 | 1,355 | 2,162 | 3,312 | 1,867 | 3,252 | 160 | 2,673 | 22,101 |
| III. Confiscated drift and waifwood .. .. | .. | 35 | .. | 3 | 3 | 6 | 3 | 286 | 58 | .. | .. | .. | 394 |
| V. Rent of leased forests and payments to shareholders in forests managed by Government .. .. .. | .. | .. | 18 | .. | 1,685 | .. | .. | .. | 2,500 | .. | .. | .. | 4,203 |
| VI. Live-stock, stores, tools and plant— | | | | | | | | | | | | | |
| (a) Purchase of cattle .. | .. | .. | 3,818 | 4,378 | 1,754 | .. | .. | .. | 1,531 | .. | .. | .. | 11,481 |
| (b) Feed and keep of cattle .. | .. | 6,329 | 32,019 | 14,721 | 7,090 | 1,301 | .. | 38 | 16,815 | 1,422 | .. | .. | 79,735 |
| (c) Stores, tools and plant .. | 1,574 | 1,992 | 1,956 | 1,029 | 1,106 | 466 | 675 | 533 | 5,770 | 284 | .. | 522 | 15,907 |
| VII. Communications and buildings— | | | | | | | | | | | | | |
| (a) Roads and bridges .. | .. | 1,380 | 2,325 | 1,109 | 1,918 | 5,926 | 7,914 | 686 | 6,862 | 8,059 | 65 | 4,780 | 41,024 |
| (b) Buildings .. | 5 | 1,881 | 3,211 | 2,811 | 5,162 | 7,962 | 9,386 | 1,465 | 4,397 | 4,140 | .. | 4,062 | 44,482 |
| (c) Other works .. | .. | 575 | 1,382 | 818 | 172 | 739 | 329 | 42 | 494 | 248 | .. | 20 | 4,819 |
| VIII. Demarcation, improvement and extension of forests— | | | | | | | | | | | | | |
| (a) Demarcation .. | .. | 2,372 | 2,298 | 658 | 190 | 565 | 285 | 524 | 104 | 5,872 | 8 | 231 | 13,107 |
| (b) Cost of forest settlement; compensation for land and rights .. | .. | 273 | .. | .. | 74 | .. | .. | .. | .. | 362 | 6 | 3,141 | 3,856 |
| (c) Surveys { Local. | .. | 366 | 572 | 466 | 490 | 456 | 848 | 571 | 640 | 1,137 | .. | 330 | 5,876 |
| (c) Surveys { India. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| (d) Working plans. | .. | .. | .. | 102 | 195 | .. | .. | .. | .. | .. | .. | .. | 297 |
| (e) Sowing and planting .. | 715 | 234 | 506 | 8,346 | 5,007 | 68 | 163 | 222 | 2,688 | 12,511 | .. | 1,714 | 32,174 |
| Protection from fire .. .. | .. | 3,407 | 7,535 | 2,292 | 3,288 | 2,544 | 2,489 | 2,688 | 2,141 | 3,805 | 370 | 1,951 | 32,510 |
| (g) Other works .. | .. | 546 | 1,783 | 1,611 | 1,399 | 2,403 | 3,901 | 8,466 | 1,041 | 10,801 | 422 | 4,851 | 37,224 |
| IX. Miscellaneous— | | | | | | | | | | | | | |
| (a) Law charges .. | .. | .. | .. | .. | .. | .. | 15 | .. | .. | .. | .. | .. | 15 |
| (b) Other charges .. | 592 | 170 | 21 | 59 | 4,179 | 60 | 110 | 332 | 287 | 59 | 2 | 36 | 5,907 |
| Total, A. Conservancy and Works .. .. .. | 2,886 | 52,582 | 64,648 | 47,547 | 53,176 | 33,318 | 52,524 | 40,394 | 67,635 | 1,06,748 | *1,035 | 24,863 | 5,47,356 |

* For six months from January 1911.

Summary of Expenditure of the different districts for the Forest year 1910–1911—*cont.*

| Budget heads. | Direction. | South Canara. | North Malabar. | South Malabar. | Nilgiris. | Kollegal. | North Coimbatore. | Central Coimbatore. | South Coimbatore. | Madura. | Ramnád. | Tinnevelly. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| Brought forward, total, A. Conservancy and Works. | 2,886 | 52,582 | 64,648 | 47,547 | 53,176 | 33,318 | 52,524 | 40,394 | 67,635 | 1,06,748 | 1,035 | 24,863 | 547,356 |
| *B. Establishments.* | | | | | | | | | | | | | |
| I. Salaries— | | | | | | | | | | | | | |
| (*a*) Conservators .. | 20,174 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 20,174 |
| (*b*) Superior Officers .. | 2,955 | 11,356 | 16,537 | 6,734 | 15,594 | 4,885 | 13,233 | 14,200 | 13,420 | 22,179 | 1,250 | 13,478 | 1,35,821 |
| (*c*) Subordinate Forest and Depot establishments .. | 6,143 | 12,598 | 12,074 | 7,403 | 13,970 | 6,425 | 12,935 | 10,484 | 10,010 | 13,024 | 1,273 | 13,667 | 1,20,006 |
| (*d*) Office establishments .. .. | 9,645 | 7,102 | 5,370 | 4,961 | 5,458 | 3,659 | 5,371 | 3,642 | 4,595 | 5,703 | 579 | 4,546 | 60,631 |
| (*e*) Deputation and special allowances .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| II. Travelling Allowances— | | | | | | | | | | | | | |
| (*a*) Conservators .. | 3,353 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3,353 |
| (*b*) Superior Officers .. | 107 | 2,150 | 923 | 2,026 | 3,116 | 2,568 | 2,428 | 1,461 | 1,344 | 2,539 | 500 | 1,195 | 20,357 |
| (*c*) Subordinate Forest and Depot establishments .. | 750 | 3,838 | 3,471 | 2,291 | 2,568 | 1,702 | 4,567 | 2,980 | 3,036 | 4,931 | 284 | 3,388 | 33,806 |
| (*d*) Office establishments .. .. | 696 | 1,540 | 960 | 1,074 | 767 | 924 | 1,254 | 893 | 701 | 1,604 | 152 | 783 | 11,348 |
| III. Contingencies— | | | | | | | | | | | | | |
| (*a*) Rents, rates and taxes .. .. | 21 | 105 | 125 | 16 | 1,220 | 50 | 96 | 109 | 112 | 996 | 52 | 189 | 3,091 |
| (*b*) Official postage and telegrams .. | 733 | 1,708 | 812 | 705 | 505 | 805 | 1,221 | 708 | 768 | 1,548 | 175 | 1,018 | 10,706 |
| (*c*) Sundries .. .. | 1,145 | 1,612 | 1,302 | 1,624 | 785 | 1,255 | 2,086 | 2,068 | 1,020 | 1,604 | 645 | 695 | 15,841 |
| Total, B. Establishments. | 45,722 | 42,009 | 41,574 | 26,834 | 43,983 | 22,273 | 43,191 | 36,545 | 35,006 | 54,128 | 4,910 | 38,959 | 4,35,134 |
| Grand total of Expenditure. | 48,608 | 94,591 | 1,06,222 | 74,381 | 97,159 | 55,591 | 95,715 | 76,939 | 1,02,641 | 1,60,876 | *5,945 | 63,822 | 9,82,490 |

* For six months from January 1911.

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 1*st September* 1911.

A. RAJAGOPALA AIYAR,
*Assistant Accountant-General.*

SUMMARY of Receipts and Expenditure during 1910-1911 for each circle and for the Presidency compiled in the Board's office from the Accountant-General's statement.

| Budget heads. | Northern Circle. | Central Circle. | Southern Circle. | Grand Total. 1910-1911. | Grand Total. 1909-1910. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| RECEIPTS. | RS. | RS. | RS. | RS. | RS. |
| I. Timber and other produce removed from the forests by Government Agency— | | | | | |
| (a) Timber .. .. .. .. | 56,973 | 52,331 | 1,50,268 | 2,59,572 | 3,45,865 |
| (b) Firewood and charcoal .. .. | 2,01,497 | 5,05,647 | 1,79,927 | 8,87,073 | 8,84,199 |
| (c) Bamboos .. .. .. .. | 82,584 | 7,754 | 6,124 | 96,462 | 95,431 |
| (d) Sandalwood .. .. .. .. | .. | 63,665 | 62,495 | 1,26,160 | 1,53,355 |
| (e) Grass and other minor produce .. | 8,394 | 7,562 | 23,796 | 39,752 | 59,676 |
| Total, I .. | 3,49,450 | 6,36,959 | 4,22,610 | 14,09,019 | 15,38,526 |
| II Timber and other produce removed from the forests by consumers or purchasers— | | | | | |
| (a) Timber .. .. .. .. .. | 67,941 | 88,824 | 45,839 | 2,02,604 | 2,74,419 |
| (b) Firewood and charcoal .. .. | 40,488 | 1,61,501 | 1,85,907 | 3,87,896 | 3,75,649 |
| (c) Bamboos .. .. .. .. .. | 50,675 | 79,554 | 30,324 | 1,60,553 | 1,87,113 |
| (d) Grazing, etc. .. .. .. .. | 1,86,454 | 3,55,471 | 89,718 | 6,31,643 | 7,69,770 |
| (e) Other produce .. .. .. .. | 1,79,499 | 2,77,149 | 1,12,117 | 5,68,765 | 7,05,846 |
| (f) Tree-owners' fees .. .. .. | 68,595 | 28,481 | 4,070 | 1,01,146 | 1,06,729 |
| (g) Other items .. .. .. .. | 117 | 2,209 | 1 | 2,327 | 2,762 |
| (h) Commutation fees .. .. .. | 1,551 | 9,779 | .. | 11,330 | 14,618 |
| Total, II .. | 5,95,320 | 10,02,968 | 4,67,976 | 20,66,264 | 24,36,906 |
| III. Confiscated drift and waifwood .. .. | 9,010 | 1,983 | 4,635 | 15,628 | 11,477 |
| IV. Revenue from forests not managed by Government .. .. .. .. .. | .. | .. | .. | .. | .. |
| V. Miscellaneous— | | | | | |
| (a) Fines and forfeitures .. .. .. | 34,191 | 1,15,251 | 49,067 | 1,98,509 | 25,164 |
| (b) Other sources .. .. .. .. | 11,968 | 13,121 | 57,431 | 82,520 | 1,72,130 |
| Total, V .. | 46,159 | 1,28,372 | 1,06,498 | 2,81,029 | 1,97,294 |
| Grand Total, Receipts .. | 9,99,939 | 17,70,282 | 10,01,719 | 37,71,940 | 41,84,203 |
| EXPENDITURE. | | | | | |
| I. Refunds and drawbacks .. .. .. | 4,394 | 12,922 | 6,869 | 24,185 | 30,447 |
| *A. Conservancy and Works.* | | | | | |
| I. Timber and other produce removed from the forests by Government Agency— | | | | | |
| (a) Timber .. .. .. .. .. | 33,520 | 22,144 | 28,917 | 84,581 | 99,785 |
| (b) Firewood and charcoal .. .. .. | 1,25,420 | 2,84,530 | 1,22,476 | 5,32,426 | 6,06,794 |
| (c) Bamboos .. .. .. .. .. | 47,743 | 6,167 | 4,321 | 58,231 | 56,878 |
| (d) Sandalwood .. .. .. .. .. | .. | 6,411 | 16,763 | 23,174 | 25,812 |
| (e) Grass, etc. .. .. .. .. .. | 5,935 | 9,073 | 12,898 | 27,906 | 37,561 |
| Total, A-I .. | 2,12,618 | 3,28,325 | 1,85,375 | 7,26,318 | 8,26,830 |
| II. Timber and other produce removed from the forests by consumers or purchasers .. | 55,945 | 39,267 | 22,101 | 1,17,313 | 1,26,500 |
| III. Confiscated drift and waifwood .. .. | 1,530 | 107 | 394 | 2,031 | 1,759 |
| V. Rent of leased forests and payments to shareholders in forests managed by Government .. .. .. .. .. | 8,400 | 41 | 4,203 | 12,644 | 15,488 |
| VI. Live-stock, stores, tools and plant— | | | | | |
| (a) Purchase of cattle .. .. .. | 6,027 | 2,976 | 11,481 | 20,484 | 7,941 |
| (b) Feed and keep of cattle .. .. | 9,571 | 12,288 | 79,735 | 1,01,594 | 1,06,321 |
| (c) Stores, tools and plant .. .. | 18,115 | 17,308 | 15,907 | 51,330 | 52,842 |
| Total, A-VI .. | 33,713 | 32,572 | 1,07,123 | 1,73,408 | 1,67,104 |
| VII. Communications and buildings— | | | | | |
| (a) Roads and bridges .. .. .. | 30,988 | 28,790 | 41,024 | 1,00,802 | 86,163 |
| (b) Buildings .. .. .. .. | 68,930 | 35,140 | 44,482 | 1,48,552 | 1,64,511 |
| (c) Other works .. .. .. .. | 7,255 | 3,647 | 4,819 | 15,721 | 17,378 |
| Total, A-VII .. | 1,07,173 | 67,577 | 90,325 | 2,65,075 | 2,68,052 |

Summary of Receipts and Expenditure during 1910-1911 for each circle and for the Presidency compiled in the Board's office from the Accountant-General's statement—*cont.*

| Budget heads. | Northern Circle. | Central Circle. | Southern Circle. | Grand Total. 1910-1911. | Grand Total. 1909-1910. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| EXPENDITURE—*cont.* | RS. | RS. | RS. | RS. | RS. |
| *A. Conservancy and Works*—cont. | | | | | |
| VIII. Demarcation, improvement and extension of forests— | | | | | |
| (*a*) Demarcation .. .. .. .. | 14,234 | 6,422 | 13,107 | 33,763 | 32,594 |
| (*b*) Cost of forest settlement, etc. .. | 1,199 | 3,116 | 3,856 | 8,171 | 1,14,036 |
| (*c*) Surveys (1) Local .. .. | 10,620 | 7,447 | 5,876 | 23,943 | 19,762 |
| (*c*) Surveys (2) India .. .. | — 224 | .. | .. | — 224 | 2,309 |
| (*d*) Working-plans .. .. | 394 | 941 | 297 | 1,632 | 1,971 |
| (*e*) Sowing and planting .. .. | 1,43,621 | 58,414 | 32,174 | 2,34,209 | 2,07,189 |
| (*f*) Protection from fire .. .. | 61,072 | 18,904 | 32,510 | 1,12,486 | 1,08,242 |
| (*g*) Other works .. .. .. .. | 39,251 | 84,612 | 37,224 | 1,61,087 | 1,71,898 |
| Total, A-VIII .. | 2,70,167 | 1,79,856 | 1,25,044 | 5,75,067 | 6,58,001 |
| IX. Miscellaneous— | | | | | |
| (*a*) Law charges .. .. .. .. | 45 | 103 | 15 | 163 | 269 |
| (*b*) Other charges .. .. .. .. | 2,688 | 1,628 | 5,907 | 10,223 | 7,482 |
| Total, A-IX .. | 2,733 | 1,731 | 5,922 | 10,386 | 7,751 |
| Total, A. Conservancy and Works, including Refunds . .. .. | 6,96,673 | 6,62,398 | 5,47,356 | 19,06,427 | 21,01,932 |
| *B. Establishments.* | | | | | |
| I. Salaries— | | | | | |
| (*a*) Conservators .. .. .. .. | 23,574 | 18,000 | 20,174 | 61,748 | 61,665 |
| (*b*) Superior officers .. .. .. .. | 1,01,822 | 94,880 | 1,35,821 | 3,32,523 | 3,37,800 |
| (*c*) Subordinate forest and depot establishments .. .. .. .. | 1,47,803 | 1,43,008 | 1,20,006 | 4,10,817 | 4,02,599 |
| (*d*) Office establishments .. .. .. | 59,581 | 70,405 | 60,631 | 1,90,617 | 1,80,818 |
| (*e*) Deputation and special allowances .. | .. | .. | .. | .. | .. |
| (*f*) Exchange compensation allowance .. | .. | .. | .. | .. | 4 |
| Total, B-I .. | 3,32,780 | 3,26,293 | 3,36,632 | 9,95,705 | 9,82,886 |
| II. Travelling allowances— | | | | | |
| (*a*) Conservators .. .. .. .. | 3,538 | 2,218 | 3,353 | 9,109 | 8,753 |
| (*b*) Superior officers .. .. .. | 18,127 | 14,408 | 20,357 | 52,892 | 51,366 |
| (*c*) Subordinate forest and depot establishments .. .. .. .. | 41,592 | 42,572 | 33,806 | 1,17,970 | 1,08,760 |
| (*d*) Office establishment .. .. .. | 13,810 | 13,413 | 11,348 | 38,571 | 33,310 |
| Total, B-II .. | 77,067 | 72,611 | 68,864 | 2,18,542 | 2,02,189 |
| III. Contingencies— | | | | | |
| (*a*) Rents, rates and taxes .. .. .. | 2,660 | 3,407 | 3,091 | 9,158 | 8,777 |
| (*b*) Official postage and telegrams .. | 12,848 | 16,214 | 10,706 | 39,768 | 38,583 |
| (*c*) Sundries .. .. .. .. | 17,799 | 15,312 | 15,841 | 48,952 | 50,560 |
| Total, B-III .. | 33,307 | 34,933 | 29,638 | 97,878 | 97,920 |
| Total, B. Establishments .. | 4,43,154 | 4,33,837 | 4,35,134 | 13,12,125 | 12,82,995 |
| Grand Total, Expenditure .. | 11,39,827 | 10,96,235 | 9,82,490 | 32,18,552 | 33,84,927 |
| Surplus .. .. | — 1,39,888 | + 6,74,047 | + 19,229 | 5,53,388 | 7,99,276 |
| Total .. | 9,99,939 | 17,70,282 | 10,01,719 | 37,71,940 | 41,84,203 |

## ANNUAL FORM No. 81.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1910–1911.

| District. | Department Debtor. | | | Department Creditor. | | | Balance due | |
|---|---|---|---|---|---|---|---|---|
| | At commencement of year. | Recoveries in cash and value of supplies and work done during the year. | At close of year. | At commencement of year. | Payments made during year. | At close of year. | To department (outstandings). | By department (liabilities). |
| | | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | |
| *Northern Circle.* | | | | | | | | |
| Conservator of Forests, Northern Circle .. .. | .. | 26,343 0 1 | 26,343 0 1 | 2,422 8 9 | 23,915 9 2 | 26,338 1 11 | −4 14 2 | .. |
| Parlákimedi Maliahs .. | .. | 9,001 11 5 | 9,001 11 5 | 51 8 3 | 9,331 15 8 | 9,383 7 11 | 381 12 6 | .. |
| Ganjám .. .. .. | .. | 1,10,855 14 5 | 1,10,855 14 5 | 3,473 1 3 | 1,12,250 10 11 | 1,15,723 12 2 | 4,867 13 9 | .. |
| Vizagapatam .. .. | .. | 41,665 15 8 | 41,665 15 8 | 1,055 1 8 | 41,938 0 9 | 42,993 2 5 | 1,327 2 9 | .. |
| Gódávari, Lower .. .. | .. | 70,304 10 5 | 70,304 10 5 | 1,839 10 9 | 70,126 14 3 | 71,965 9 0 | 1,661 14 7 | .. |
| Do. Upper .. .. | .. | 45,719 10 9 | 45,719 10 9 | 5,181 5 2 | 43,958 6 9 | 49,139 11 11 | 3,420 1 2 | .. |
| Kistna .. .. .. | .. | 74,510 15 5 | 74,510 15 5 | 1,310 12 7 | 73,956 6 8 | 75,267 3 3 | 756 3 10 | .. |
| Old Kurnool, West .. .. | .. | 1,04,399 6 4 | 1,04,399 6 4 | 5,467 12 1<br>−5,433 10 1 | 1,04,365 4 4 | 1,09,833 0 5<br>−5,433 10 1* | 5,433 10 1<br>−5,433 10 1* | .. |
| New Kurnool, West .. .. | .. | 1,65,801 15 3 | 1,65,801 15 3 | 5,433 10 1 | 1,66,385 2 1 | 1,71,818 12 2 | 6,016 12 11 | .. |
| Old Kurnool, East .. .. | .. | 78,998 12 6 | 78,998 12 6 | 6,423 5 10<br>−7,728 15 5 | 80,304 6 1 | 86,727 11 11 | 7,728 15 5<br>−7,728 15 5† | .. |
| New Kurnool, East .. .. | .. | 49,607 11 11 | 49,607 11 11 | 7,728 15 5 | 43,220 13 6 | 50,949 12 11 | 1,342 1 0 | .. |
| Kurnool, South .. .. | .. | 1,10,740 10 9 | 1,10,740 10 9 | .. | 1,15,900 1 6 | 1,15,900 1 6 | 5,159 6 9 | .. |
| Bellary .. .. .. | .. | 1,56,442 14 9 | 1,56,442 14 9 | 4,789 2 5 | 1,55,122 14 10 | 1,59,912 1 3 | 3,469 2 6 | .. |
| Anantapur .. .. .. | .. | 1,12,033 0 3 | 1,12,033 0 3 | 2,506 8 2 | 1,11,101 4 6 | 1,13,607 12 8 | 1,574 12 5 | .. |
| Total .. | .. | 11,56,426 5 11 | 11,56,426 5 11 | 34,520 12 11 | 11,51,877 15 0 | 11,86,398 11 11 | 29,972 6 0 | .. |
| *Central Circle.* | | | | | | | | |
| Conservator of Forests, Central Circle .. .. | .. | 656 11 1 | 656 11 1 | 158 13 9 | 517 1 10 | 675 15 7 | 19 4 6 | .. |
| Guntúr .. .. .. | .. | 84,228 8 2 | 84,228 8 2 | 2,952 3 8 | 84,398 9 10 | 87,350 13 6 | 3,122 5 4 | .. |
| Nellore .. .. .. | .. | 1,61,035 0 8 | 1,61,035 0 8 | 5,325 1 2 | 1,62,043 14 9 | 1,67,368 15 11 | 6,333 15 3 | .. |
| Cuddapah, North .. .. | .. | 1,03,768 12 4 | 1,03,768 12 4 | 1,850 0 8 | 1,04,935 14 3 | 1,06,785 14 11 | 3,017 2 7 | .. |
| Do. South .. .. | .. | 14,328 8 8 | 14,328 8 8 | 1,139 13 8<br>− 414 3 11 | 13,602 14 11 | 14,742 12 7<br>−414 3 11 | 414 3 11<br>−414 3 11 | ‡ .. |
| Do. East .. .. | .. | 73,969 14 9 | 73,969 14 9 | 664 5 4 | 74,117 2 11 | 74,781 8 3 | 811 9 6 | .. |
| Chingleput .. .. .. | .. | 66,000 1 11 | 66,000 1 11 | 2,852 7 3 | 65,831 3 5 | 68,683 10 8 | 2,683 8 9 | .. |
| Chittoor .. .. .. | .. | 15,446 0 0 | 15,446 0 0 | + 414 3 11 | 16,962 10 10 | 17,376 14 9 | 1,930 14 9 | .. |
| Arcot, North .. .. .. | .. | 1,35,780 0 8 | 1,35,780 0 8 | 3,370 1 6 | 1,35,198 4 10 | 1,38,568 6 4 | 2,788 5 8 | .. |
| Do. South .. .. .. | .. | 1,12,607 0 6 | 1,12,607 0 6 | 1,469 5 3 | 1,12,781 14 2 | 1,14,251 3 5 | 1,644 2 11 | .. |
| Salem, North .. .. .. | .. | 1,18,811 0 7 | 1,18,811 0 7 | 8,602 9 11 | 1,16,829 7 5 | 1,25,432 1 4 | 6,621 0 9 | .. |
| Do. South .. .. .. | .. | 90,239 13 4 | 90,239 13 4 | 2,078 11 9 | 90,981 13 10 | 93,060 9 7 | 2,820 12 3 | .. |
| Old Trichinopoly .. .. | .. | 34,957 12 5 | 34,957 12 5 | 2,803 12 9<br>−2,521 14 8 | 34,675 14 4 | 37,479 11 1<br>−2,521 14 8 | 2,521 14 8<br>−2,521 14 8 | § .. |
| Old Tanjore .. .. .. | .. | 7,583 14 8 | 7,583 14 8 | 2,073 3 5<br>−1,655 11 4 | 7,166 6 7 | 9,239 10 0<br>−1,655 11 4 | 1,655 11 4<br>−1,655 11 4 | § .. |
| Trichinopoly *cum* Tanjore .. | .. | 47,529 2 5 | 47,529 2 5 | +4,177 10 0 | 44,839 11 8 | 49,017 5 8 | 1,488 3 3 | .. |
| Total .. | .. | 10,66,942 6 2 | 10,66,942 6 2 | 35,340 10 1 | 10,64,883 1 7 | 11,00,223 11 8 | 33,281 5 6 | .. |
| *Southern Circle.* | | | | | | | | |
| Conservator of Forests, Southern Circle. | .. | 1,147 2 9 | 1,147 2 9 | 33 1 10 | 1,177 8 6 | 1,210 10 4 | 63 7 7 | .. |
| South Canara .. .. | .. | 99,341 7 3 | 99,341 7 3 | 952 0 6 | 1,00,753 4 3 | 1,01,705 4 9 | 2,363 13 6 | .. |
| North Malabar .. .. | .. | 80,942 11 0 | 80,942 11 0 | 3,170 6 3 | 80,420 15 7 | 83,591 5 10 | 2,648 10 10 | .. |
| South do. .. .. | .. | 61,038 8 4 | 61,038 8 4 | 1,081 15 11 | 61,933 4 2 | 63,015 4 1 | 1,976 11 9 | .. |
| The Nilgiris .. .. .. | .. | 78,859 1 7 | 78,859 1 7 | 2,582 1 9 | 79,983 7 10 | 82,565 9 7 | 3,706 8 0 | .. |
| Kollegal .. .. .. | .. | 62,121 15 0 | 62,121 15 0 | 2,796 8 1 | 64,161 1 5 | 66,957 9 6 | 4,835 10 6 | .. |
| North Coimbatore .. .. | .. | 81,197 5 2 | 81,197 5 2 | 2,973 13 8 | 81,626 9 10 | 84,600 7 6 | 3 ,403 2 4 | .. |
| Central do. .. .. | .. | 64,970 14 8 | 64,970 14 8 | 1,460 7 11 | 65,679 13 10 | 67,140 5 9 | 2,169 7 1 | .. |
| South do. .. .. | .. | 87,964 8 0 | 87,964 8 0 | 3,687 7 10 | 88,718 5 0 | 92,405 12 10 | 4,441 4 10 | .. |
| Madura .. .. .. | .. | 1,40,995 5 2 | 1,40,995 5 2 | 3,525 3 11 | 1,43,223 8 7 | 1,46,748 12 6 | 5,753 7 4 | .. |
| Rámnád .. .. .. | .. | 4,145 0 10 | 4,145 0 10 | .. | 4,219 4 2 | 4,219 4 2 | 74 3 4 | .. |
| Tinnevelly .. .. .. | .. | 50,714 8 9 | 50,714 8 9 | 993 2 5 | 51,047 5 5 | 52,040 7 10 | 1,325 15 1 | .. |
| Total .. | .. | 8,13,438 8 6 | 8,13,438 8 6 | 23,256 6 1 | 8,22,944 8 7 | 8,46,200 14 8 | 32,762 6 2 | .. |
| Grand Total, Presidency .. | .. | 30,36,307 4 7 | 30,36,807 4 7 | 93,117 13 1 | 30,39,705 9 2 | 31,32,823 6 3 | 96,016 1 8 | .. |

* Transferred to New West Kurnool.
‡ Transferred to Chittoor.
† Transferred to New East Kurnool.
§ Transferred to Trichinopoly and Tanjore.

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 1st *September* 1911.

A. RAJAGOPALA AIYAR,
*Assistant Accountant-General*

## ANNUAL FORM No. 82.

*Forest Department, Madras Presidency.*

### REVENUE received and outstandings on account of Revenue during 1910–1911.

| District. | Particulars. | Outstandings at commencement of the year. | Value of sales and other revenue during the year. | Total. | Amount realized during the year. | Balance due to the department at the end of the year. | Remarks. |
|---|---|---|---|---|---|---|---|
| *Northern Circle.* | | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | |
| Direction .. .. | Timber and other forest produce. | .. | 179 0 0 | 179 0 0 | 179 0 0 | .. | |
| Ganjám .. .. | Do. | 9 0 0 | 62,003 6 7 | 62,012 6 7 | 61,818 0 0 | 194 6 7 | |
| Vizagapatam .. | Do. | 156 4 0 | 47,604 8 0 | 47,760 12 0 | 47,756 0 0 | 4 12 0 | |
| Gódávari, Upper. | Do. | 3,427 6 5 | 30,529 9 7 | 33,957 0 0 | 33,881 0 0 | 76 0 0 | |
| Do. Lower. | Do. | 2,177 6 1 | 1,70,592 14 7 | 1,72,770 4 8 | 1,61,567 0 0 | (*a*)11,203 4 8 | |
| Kistna .. .. | Do. | 5,516 3 2 | 1,12,446 5 6 | 1,17,962 8 8 | 1,16,340 0 0 | (*b*) 1,622 8 8 | |
| Kurnool, East .. | Do. | .. | 20,865 4 0 | 20,865 4 0 | 20,813 0 0 | 52 4 0 | |
| Do. South .. | Do. | 1,779 2 11 | 1,05,982 1 11 | 1,07,761 4 10 | 1,01,608 0 0 | (*c*) 6,153 4 10 | |
| Do. West .. | Do. | 504 13 11 | 1,70,883 3 1 | 1,71,388 1 0 | 1,71,290 0 0 | 98 1 0 | |
| Bellary .. .. | Do. | 33,634 0 2 | 1,71,564 8 4 | 2,05,198 8 6 | 1,45,799 0 0 | (*d*)59,399 8 6 | |
| Anantapur .. | Do. | 4,466 2 3 | 2,16,542 10 1 | 2,21,008 12 4 | 1,35,373 0 0 | (*e*) 85,635 12 4 | |
| | Total .. | 51,670 6 11 | 11,09,193 7 8 | 11,60,863 14 7 | 9,96,424 0 0 | 1,64,439 14 7 | |
| *Central Circle.* | | | | | | | |
| Direction .. | Timber and other produce. | .. | 15 0 0 | 15 0 0 | 15 0 0 | .. | |
| North Cuddapah. | Do. | 10,654 1 9 | 98,559 9 4 | 1,09,213 11 1 | 1,05,954 0 0<br>(*f*) + 365 5 9 | 2,894 5 4 | |
| East do. .. | Do. | 4,342 0 10 | 1,05,265 3 1 | 1,09,607 3 11 | 1,08,835 0 0 | 772 3 11 | |
| Nellore .. .. | Do. | 36,509 4 1 | 2,31,361 4 8 | 2,67,870 8 9 | 2,47,850 0 0<br>(*g*) + 3 1 5 | 20,017 7 4 | |
| Chingleput .. | Do. | 3,038 12 6 | 89,532 12 1 | 92,571 8 7 | 89,045 0 0 | 3,526 8 7 | |
| North Arcot .. | Do. | * 17,149 5 4 | 2,70,954 3 8 | 2,88,103 9 0 | 2,51,264 0 0 | 36,839 9 0 | |
| Chittoor .. .. | Do. | * 10,241 5 1 | 80,330 13 6 | 90,572 2 7 | 65,872 0 0 | 24,700 2 7 | |
| South Arcot .. | Do. | 38,053 15 0 | 2,16,783 7 6 | 2,54,837 6 6 | 2,36,231 0 0<br>(*h*) + 72 1 3 | 18,534 5 3 | |
| Trichinopoly .. | Do. | 3,074 7 2 | 1,94,635 3 2 | 1,97,709 10 4 | 1,91,199 0 0 | 6,510 10 4 | |
| Salem, North .. | Do. | 12,710 14 1 | 1,81,374 1 8 | 1,94,084 15 9 | 1,65,866 0 0 | 28,218 15 9 | |
| Do. South .. | Do. | 3,980 5 10 | 1,23,256 8 6 | 1,27,236 14 4 | 1,26,975 0 0 | 261 14 4 | |
| Guntúr .. .. | Do. | 919 14 5 | 1,80,371 9 1 | 1,81,291 7 6 | 1,81,176 0 0 | 115 7 6 | |
| | Total .. | 1,40,674 6 1 | 17,72,439 12 3 | 19,13,114 2 4 | 17,70,282 0 0<br>(*i*) + 440 8 5 | 1,42,391 9 11 | |
| *Southern Circle.* | | | | | | | |
| Direction .. . | Timber and other forest produce. | .. | 322 13 8 | 322 13 8 | 322 13 8 | .. | |
| Canara, South .. | Do. | 13,877 15 4<br>— 65 8 1 | 1,08,548 0 7 | 1,22,360 7 10 | 1,16,959 0 0<br>† 325 5 4 | 5,076 2 6 | |
| Malabar, North .. | Do. | 11,002 15 6<br>— 7 3 8 | 57,971 2 1 | 68,966 13 11 | 43,681 0 0<br>† 14 8 0 | 25,271 5 11 | |
| Do. South .. | Do. | 5,822 11 4<br>— 0 8 5 | 95,792 3 11 | 1,01,614 6 10 | 95,784 0 0 | 5,830 6 10 | |
| Nilgiris, The .. | Do. | 1,482 5 3<br>— 37 2 0 | 61,253 4 7 | 62,698 7 10 | 59,237 0 0 | 3,461 7 10 | |
| Kollegal .. .. | Do. | 147 0 0 | 21,611 6 6 | 21,758 6 6 | 21,594 0 0<br>† 16 0 0 | 148 6 6 | |
| Coimbatore, North. | Do. | 3,883 12 1<br>— 31 10 6 | 1,17,256 2 5 | 1,21,108 4 0 | 1,20,350 0 0 | 758 4 0 | |
| Do. Central. | Do. | 21,065 15 1<br>— 1 0 0 | 73,976 7 7 | 95,041 6 8 | 81,022 0 0<br>† 337 0 0 | 13,682 6 8 | |
| Do. South. | Do. | 6,804 2 9 | 73,624 1 2 | 80,428 3 11 | 78,917 0 0 | 1,511 3 11 | |
| Madura .. .. | Do. | 19,586 10 9<br>— 15 0 0 | 2,39,862 2 11 | 2,59,433 13 8 | 2,42,165 0 0 | 17,268 13 8 | |
| Ramnad .. .. | Do. | 26,431 4 4<br>— 142 8 0 | 1,31,674 13 0 | 37,055 8 0 | 30,833 0 0 | 6,222 8 0 | |
| Tinnevelly .. | Do. | | | 1,20,908 1 4 | 1,10,854 0 0<br>† 899 12 0 | 9,154 5 4 | |
| | Total .. | 1,10,104 12 5<br>— 300 8 8 | 9,81,892 10 5 | 10,91,696 14 2 | 10,01,718 13 8<br>† 1,592 9 4 | 88,385 7 2 | |
| | Grand Total, Presidency. | 3,02,449 9 5<br>— 300 8 8 | 38,63,525 14 4 | 41,65,674 15 1 | 37,70,457 15 5 | 3,95,216 15 8 | |

* Figures as per distributions of ranges and districts. † Written off the accounts.

(*a*) Of this, Rs. 3,412 were collected subsequently, Rs. 981 are under deposit, and Rs. 2,225 are due in 1911–1912

(*b*) Of this, Rs. 1,371 are due after the close of the year, and Rs. 215 since collected with interest.

(*c*) Of this, Rs. 297 are in earnest money deposit, and Rs. 5,836 due in 1911–1912.

(*d*) Of this, Rs. 59,076 are due only after the close of the year.

(*e*) Rs. 85,466 are due after the close of the year.

(*f*) Written off under Board's Proceedings, Forest Mis. No. 1761, dated 8th December 1910.

(*g*) „ under Conservator's Sanction order No. 273, dated 10th June 1910.

(*h*) „ under Conservator's „ No. 13, dated 18th January 1911 and No. 197, dated 29th June 1911.

(*i*) Amount written off

NOTE (*Southern Circle*).—Deductions in column 3 are on account of cancellation of leases, erroneous demands and collections in the previous year omitted to be adjusted towards outstandings. Out of the total outstandings of Rs. 88,385-7-2, the amount actually due on or before 30th June 1911 was Rs. 11,847.

## Annual Form No. 83.

*Forest Department, Madras Presidency.*

Financial Results of the year 1910–1911.

| District. | Timber and other produce removed from the forest by Government Agency. | | Other revenue. | | Formation, protection and improvement of forests. | Total. | |
|---|---|---|---|---|---|---|---|
| | Receipts. | Charges. | Receipts. | Charges. | Charges. | Receipts. | Charges. |
| *Northern Circle.* | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| Ganjám .. .. | 30,667 | 28,406 | 31,166 | 34,096 | 52,812 | 61,833 | 1,15,314 |
| Vizagapatam .. .. | 24,489 | 14,451 | 23,277 | 31,166 | 15,072 | 47,766 | 60,689 |
| Upper Gódávari .. | 7,042 | 6,153 | 26,844 | 22,732 | 32,571 | 33,886 | 61,456 |
| Lower do. .. | 34,217 | 18,103 | 1,27,366 | 41,236 | 28,092 | 1,61,583 | 87,431 |
| Kistna .. .. .. | 56,533 | 35,058 | 59,838 | 20,738 | 45,124 | 1,16,371 | 1,06,920 |
| Kurnool, East .. | 11,861 | 9,625 | 8,957 | 14,574 | 25,463 | 20,818 | 49,662 |
| Do. South .. | 53,404 | 43,614 | 48,230 | 42,914 | 71,565 | 1,01,634 | 1,58,093 |
| Do. West .. | 87,229 | 64,052 | 84,107 | 51,532 | 1,01,187 | 1,71,336 | 2,16,771 |
| Bellary .. .. | 15,693 | 20,620 | 1,30,116 | 42,236 | 1,02,996 | 1,45,809 | 1,65,852 |
| Anantapur .. .. | 27,316 | 17,996 | 1,08,072 | 33,259 | 51 405 | 1,35,388 | 1,02,660 |
| Total .. | 3,48,451 | 2,58,078 | 6,47,973 | 3,34,483 | 5,26,287 | (a) 9,96,424<br>(b) + 3,515 | 11,18,848<br>+ 16,585<br>* + 4,394 |
| *Central Circle.* | | | | | | | |
| Guntúr .. .. | 50,387 | 18,271 | 1,30,789 | 30,567 | 42,616 | 1,81,176 | 91,454 |
| Nellore .. .. .. | 1,15,127 | 90,007 | 1,32,723 | 15,748 | 64,536 | 2,47,850 | 1,70,291 |
| Cuddapah, North .. | 52,522 | 38,129 | 53,432 | 25,194 | 20,751 | 1,05,954 | 84,074 |
| Do. East .. | 64,210 | 41,051 | 44,625 | 27,095 | 20,921 | 1,08,835 | 89,067 |
| Chingleput .. .. | 34,010 | 13,047 | 55,035 | 16,663 | 24,486 | 89,045 | 54,196 |
| Chittoor .. .. | 6,326 | 6,819 | 59,546 | 16,058 | 11,842 | 65,872 | 34,719 |
| North Arcot .. .. | 79,947 | 36,282 | 1,71,332 | 40.546 | 48,759 | 2,51,279 | 1,25,587 |
| South Arcot .. | 76,497 | 25,049 | 1,59,734 | 29,862 | 46,369 | 2,36,231 | 1,01,280 |
| Trichinopoly .. .. | 55,307 | 38,709 | 1,35,892 | 38,899 | 37,190 | 1,91,199 | 1,14,798 |
| Salem, North .. .. | 68,958 | 52,616 | 96,908 | 32,892 | 50,244 | 1,65,866 | 1,35,752 |
| Salem, South .. .. | 33,668 | 32,997 | 93,307 | 21,887 | 27,211 | 1,26,975 | 82,095 |
| Total .. | 6,36,959 | 3,92,977 | 11,33,323 | 2,95,411 | 3,94.925 | 17,70,282 | 10,83,313<br>* + 12,922 |
| *Southern Circle.* | | | | | | | |
| South Canara .. .. | 51,490 | 49,063 | 65,500 | 34,426 | 15,731 | 1,16,990 | 99,220 |
| North Malabar .. | 23,110 | 30,318 | 20,602 | 45,057 | 35,477 | 43,712 | 1,10,852 |
| South do. .. .. | 85,637 | 45,343 | 10,178 | 5,543 | 28,124 | 95,815 | 79,010 |
| The Nilgiris .. .. | 39,174 | 54,685 | 20,093 | 16,823 | 30,281 | 59,267 | 1,01,789 |
| Kollegal .. .. | 6,880 | 17,884 | 14,744 | 9,829 | 32,507 | 21,624 | 60,220 |
| North Coimbatore .. | 79,345 | 37,877 | 41,036 | 23,869 | 38,599 | 1,20,381 | 1,00,345 |
| Central do. .. | 23,516 | 30,410 | 57,537 | 29,976 | 21,182 | 81,053 | 81,568 |
| South do. .. | 38,678 | 64,751 | 40,270 | 17,234 | 25,285 | 78,948 | 1,07,270 |
| Madura .. .. | 72,542 | 67,945 | 1,69,654 | 40,474 | 57,087 | 2,42,196 | 1,65,506 |
| Rámnád .. .. .. | .. | 20 | 30,848 | 7,131 | 1,107 | 30,848 | 8,258 |
| Tinnevelly .. .. | 2,238 | 714 | 1,08,647 | 39,562 | 28,176 | 1,10,885 | 68,452 |
| Total .. | 4,22,610 | 3,99,010 | 5,79,109 | 2,69,924 | 3,13,556 | 10,01,719 | (a) 9,82,490 |
| Grand Total, Presidency. | 14,08,020 | 10,50,065 | 23,60,405 | 8,99,818 | 12,34,768 | 37,71,940 | 32,01,236<br>* + 17,316 |

* Refunds and drawbacks.

(a) This includes Rs. 179 shown under Direction in Form No. 8C.

(b) This relates to Parlakimedi maliahs.

# ANNUAL FORM No. 84.

*Forest Department, Madras Presidency.*

STATEMENT of Elephants and other live-stock during 1910–1911.

PART I.

| District. | On hand at commencement of the year. Number. | On hand at commencement of the year. Value. | Number received during the year. | Number disposed of during the year. | On hand at the end of the year. Number. | On hand at the end of the year. Value. | Total expenditure on maintenance during the year. |
|---|---|---|---|---|---|---|---|
| **NORTHERN CIRCLE.** | | | | | | | |
| (1) *Elephants.* | | | | | | | |
| | | RS. | | | | RS. | RS. |
| Ganjám .. .. .. | 1 | 500 | 3 | .. | 4 | 5,950 | 1,674 |
| Vizagapatam .. .. | 1 | 1,500 | .. | .. | 1 | 1,500 | 978 |
| Upper Gódávari .. .. | 1 | 900 | 1 | 1 | 1 | 900 | 1,254 |
| Kurnool, West .. .. | 1 | 1,600 | .. | .. | 1 | 1,600 | 732 |
| Total .. | 4 | 4,500 | 4 | 1 | 7 | 9,950 | 4,638 |
| **SOUTHERN CIRCLE.** | | | | | | | |
| (1) *Elephants.* | | | | | | | |
| South Canara .. .. | .. | .. | 2 | 2 | .. | .. | 333 |
| Malabar, North .. .. | 58 | 1,01,600 | 5 | 6 | 57 | 1,05,600 | 24,162 |
| Do. South .. .. | 23 | { 32,200 (a)+6,300 } | 9 | 4 | 28 | 46,100 | 11,781 |
| The Nilgiris .. .. .. | 3 | 3,500 | 9 | 1 | 11 | 21,800 | 3,048 |
| Coimbatore, South .. .. | 12 | 34,050 | 4 | 5 | 11 | 32,000 | 7,612 |
| Total .. | 96 | 1,77,650 | 29 | 18 | 107 | 2,05,500 | 46,936 |
| Grand Total, Presidency .. | 100 | 1,82,150 | 33 | 19 | 114 | 2,15,450 | 51,574 |
| *Northern Circle.* | | | | | | | |
| (2) *Other live stock.* | | | | | | | |
| Ganjám .. .. .. | 4 | 67 | 6 | 4 | 16 | 139 | 194 |
| Kurnool, South .. .. | * 18 | 360 | .. | 4 | 14 | 280 | 1,540 |
| Bellary .. .. .. | 46 | 529 | .. | 1 | 45 | 492 | 3,199 |
| Total .. | 68 | 956 | 6 | 9 | 65 | 911 | 4,933 |
| **CENTRAL CIRCLE.** | | | | | | | |
| *Other live stock.* | | | | | | | |
| East Cuddapah .. .. | 10 | 587 | 4 | 3 | 11 | 753 | 1,105 |
| North Arcot .. .. .. | 13 | 542 | 14 | 12 | 15 | 625 | 427 |
| Chittoor .. .. .. | 2 | 35 | 12 | 3 | 11 | 289 | 60 |
| South Arcot .. .. .. | 6 | 408 | .. | 6 | .. | .. | 292 |
| North Salem .. .. .. | 66 | 3,300 | { 38 −14 } | 16 | 74 | 2,354 | 7,600 |
| South Salem .. .. .. | .. | .. | 18 | .. | 18 | 090 | 1,024 |
| Trichinopoly .. .. | † 18 | 1,008 | .. | 18 | .. | .. | 1,780 |
| Total .. | 115 | 5,952 | 72 | 58 | 129 | 4,921 | 12,288 |
| *Southern Circle.* | | | | | | | |
| (2) *Other live Stock.* | | | | | | | |
| South Canara .. .. | 59 | 3,348 | 32 | 16 | 75 | 5,094 | 6,287 |
| Malabar, North .. .. | 72 | 5,479 | .. | 5 | 67 | 4,515 | 9,004 |
| Do. South .. .. | 34 | 1,362 | 13 | 17 | 30 | 1,081 | 2,056 |
| The Nilgiris .. .. | { 25 (b)−1 } | { 1,499 − 15 } | .. | 7 | 17 | 1,051 | 3,653 |
| Kollegal .. .. .. | 12 | 840 | .. | 2 | 10 | 665 | 1,301 |
| Coimbatore, South .. .. | 47 | 1,850 | 12 | 17 | 42 | 2,336 | 6,152 |
| Madura .. .. .. | 8 | 464 | .. | .. | 8 | 395 | 1,422 |
| Total .. | 256 | 14,827 | 57 | 64 | 249 | 15,137 | 29,875 |
| Grand Total, Presidency .. | 439 | 21,735 | 135 | 131 | 443 | 20,969 | 47,096 |

* As revised by the Collector.

† Included in the district return for last year under miscellaneous.

(a) Increase due to revaluation.

(b) Last year's closing balance reported to be incorrect.

## Statement of Elephants and other live-stock during 1910–1911—*cont.*

PART II.

| District. | Names. | When purchased or otherwise obtained by Government. | Age. | How disposed of. |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| | | NORTHERN CIRCLE. | | |
| | | *Elephants gone off the list during the year.* | | |
| Gódávari Upper .. | Kesavan .. .. .. .. | Transferred from South Malabar. | YRS. 19 | Died. |
| | | CENTRAL CIRCLE—*Nil.* | | |
| | | SOUTHERN CIRCLE. | | |
| | | *Elephants gone off the list during the year.* | | |
| South Canara .. | 1. Agnes .. .. .. .. | Captured on 11th March 1906 . | 31 | Sent back to North Malabar on 16th February 1911. |
| | 2. Kalyani .. .. .. | Purchased in October 1889 .. | 71 | |
| Malabar, North.. | 1. Moideenkhan .. .. | Captured on 3rd January 1896. | 32 | Transferred to the Nilgiris. |
| | 2. Padmini .. .. .. | Captured on 10th February 1896 .. .. .. .. | 42 | |
| | 3. Nurjahan .. .. .. | Captured on 12th February 1910 .. .. .. .. | 66 | Died on 26th October 1910. |
| | 4. Kalyani .. .. .. | Purchased in October 1889 .. | 71 | Transferred to South Malabar. |
| | 5. Agnes .. .. .. .. | Captured on 11th March 1906.. | 31 | |
| | 6. Male .. .. .. .. | Do. 10th May 1911 .. | 22 | Died on 9th June 1911. |
| Malabar, South.. | 1. Vixen .. .. .. .. | Purchased in 1878 .. .. | 49 | Sold to Pudukkottai Darbar on 9th July 1910. |
| | 2. Kesavan .. .. .. | Captured on 11th February 1905 .. .. .. .. | 20 | Transferred to Upper Gódávari on 21st August 1910. |
| | 3. Millie .. .. .. .. | Captured on 10th August 1910. | 1 | Died on 13th May 1911. |
| | 4. Ravi .. .. .. .. | Captured on 3rd March 1902.. | 25 | Transferred to West Kurnool on 25th June 1911. |
| The Nilgiris .. | 1. Ravi .. .. .. .. | Do. .. | 25 | Transferred to South Malabar on 14th December 1910. |
| Coimbatore, South. | 1. Beauty .. .. .. | Captured on 13th July 1910 .. | 30 | Died on 20th July 1910. |
| | 2. Claudia .. .. .. | Captured on 22nd November 1909 .. .. .. .. | 4 | Transferred to South Malabar on 19th January 1911. |
| | 3. Rajamani .. .. .. | Captured in 13th July 1910 .. | 4 | |
| | 4. Millie .. .. .. .. | Captured on 10th August 1910. | 1 | |
| | 5. Selvaraj .. .. .. | Captured on 7th October 1910 .. .. .. .. | 5 | |

## ANNUAL FORM No. 85.

*Forest Department, Madras Presidency.*

ABSTRACT of value of stores, tools and plant for 1910–1911.

| District. | Buildings. | | | | Stores. | | | | Total. | | | | Difference in value. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | On hand at the commencement of the year. | | On hand at the close of the year. | | On hand at the commencement of the year. | | On hand at the close of the year. | | On hand at the commencement of the year. | | On hand at the close of the year. | | | |
| | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | In favour of the year. | Against the year. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| *Northern Circle.* | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | RS. | RS. |
| Direction .. | .. | .. | 1 | 800 | 693 | 2,724 | 336 | 2,414 | 693 | 2,724 | 337 | 3,214 | 490 | .. |
| Ganjám .. | 73 | 32,278 | 86 | 37,917 | 1,741 | 6,116 | 2,168 | 9,484 | 1,814 | 38,394 | 2,254 | 47,401 | 9,007 | .. |
| Vizagapatam .. | 57 | 7,159 | 63 | 7,793 | 1,296 | 2,762 | 1,199 | 2,810 | 1,353 | 9,921 | 1,262 | 10,603 | 682 | .. |
| Gódávari, Upper. | 69 | 25,956 | 83 | 24,191 | 1,739 | 11,159 | 1,808 | 12,626 | 1,808 | 37,115 | 1,891 | 36,817 | .. | 298 |
| Gódávari, Lower. | * 156 | * 71,704 | 168 | 73,524 | * 2,283 | * 14,206 | 2,326 | 13,962 | * 2,439 | 85,910 | 2,494 | 87,486 | 1,576 | .. |
| Kistna .. | 51 | 6,051 | 51 | 6,528 | 623 | 7,345 | 655 | 7,231 | 674 | 13,396 | 706 | 13,759 | 363 | .. |
| Kurnool, East. | .. | | 14 | 13,941 | .. | .. | 2,578 | 6,806 | .. | .. | 2,592 | 20,747 | 20,747 | .. |
| Do. South. | 32 | 21,239 | 14 | 13,220 | 4,043 | 10,952 | 2,610 | 9,765 | 4,075 | 32,191 | 2,624 | 22,985 | .. | 9,206 |
| Do. West. | 87 | 46,772 | 98 | 50,678 | 4,694 | 10,370 | 5,942 | 9,997 | 4,781 | 57,142 | 6,040 | 60,675 | 3,533 | .. |
| Bellary .. | * 33 | *27,294 | 36 | 35,116 | * 1,890 | * 7,617 | 2,091 | 7,829 | * 1,923 | * 34,911 | 2,127 | 42,945 | 8,034 | .. |
| Anantapur .. | 31 | 32,123 | 31 | 31,630 | 1,523 | 6,125 | 1,580 | 5,869 | 1,554 | 38,248 | 1,611 | 37,499 | .. | 749 |
| Total .. | 589 | 2,70,576 | 645 | 2,95,338 | 20,525 | 79,376 | 23,293 | 88,793 | 21,114 | 3,49,952 | 23,938 | 3,84,131 | 34,179 | .. |
| *Central Circle.* | | | | | | | | | | | | | | |
| Direction .. | .. | .. | . | .. | 791 | 2,935 | 897 | 2,846 | 791 | 2,935 | 897 | 2,846 | .. | 89 |
| Cuddapah, North. | 53 | 10,339 | 47 | 10,068 | 1,448 | 6,610 | 1,669 | 6,873 | 1,501 | 16,949 | 1,716 | 16,941 | .. | 8 |
| Cuddapah, East. | 69 | 13,137 | 69 | 13,876 | † 858 | 3,996 | 1,040 | 6,512 | 927 | 17,133 | 1,109 | 20,388 | 3,255 | .. |
| Nellore .. | 19 | 18,599 | 21 | 19,799 | 18,297<br>LB. 48<br>M. F. C. L.<br>13 2 7 55 | 47,975 | 56,111<br>LB. 48 | 47,732 | 18,316<br>LB. 48<br>M. F. C. L.<br>13 2 7 55 | 66,574 | 56,132<br>LB. 48 | 67,531 | 957 | .. |
| Chingleput .. | 61 | 10,216 | 59 | 11,013 | 1,272 | 6,675 | 1,272 | 6,973 | 1,333 | 16,891 | 1,331 | 17,986 | 1,095 | .. |
| North Arcot .. | 97 | 32,056 | 86 | 39,109 | {3,552<br>CWT. 33} | 11,901 | 4,598 | 11,851 | 3,649<br>CWT. 33 | 43,957 | 4,684 | 50,960 | 7,003 | .. |
| Chittoor ‡ .. | 15 | 4,503 | 53 | 16,937 | 427 | 2,680 | 1,446 | 4,409 | 442 | 7,183 | 1,499 | 21,346 | 14,163 | .. |
| South Arcot .. | 65 | 26,569 | 65 | 15,188 | 1,854 | 7,769 | 1,419 | 5,208 | 1,919 | 34,338 | 1,484 | 20,396 | .. | 13,942 |
| North Salem .. | 50 | 20,450 | 43 | 17,600 | 3,648 | 10,035 | 2,476 | 9,235 | 3,698 | 30,485 | 2,519 | 26,835 | .. | 3,650 |
| South do. .. | 53 | 19,527 | 43 | 14,653 | 2,580 | 9,235 | 2,412 | 7,914 | 2,633 | 28,762 | 2,455 | 22,567 | .. | 6,195 |
| Trichinopoly | 25 | 4,949 | 34 | 8,362 | 3,340 | 14,238 | 3,802 | 14,938 | 3,365 | 19,277 | 3,836 | 23,300 | 4,023 | .. |
| Guntúr .. | 62 | 8,507 | 63 | 8,206 | 1,002 | 8,750 | 1,024 | 9,669 | 1,064 | 17,257 | 1,087 | 17,875 | 618 | .. |
| Total .. | 569 | 1,68,852 | 583 | 1,74,811 | 39,069<br>LB. 48<br>M. F. C. L.<br>13 2 7 55<br>CWT. 33 | 1,32,889 | 78,166<br>LB. 48 | 1,34,160 | 39,638<br>LB. 48<br>CWT. 33<br>M. F. C. L.<br>13 2 7 55 | 3,01,741 | 78,749<br>LB. 48 | 3,08,971 | 7,230 | .. |
| *Southern Circle.* | | | | | | | | | | | | | | |
| Direction .. | 1 | 96 | 1 | 91 | 1,649 | 6,928 | 1,839 | 7,677 | 1,650 | 7,024 | 1,840 | 7,768 | 744 | .. |
| South Canara. | 57 | 25,377 | 57 | 24,190 | 1,714 | 11,692 | 1,846 | 11,469 | 1,771 | 37,069 | 1,903 | 35,659 | .. | 1,410 |
| Malabar, North. | 62 | 36,627 | 68 | 30,687 | 2,365 | 10,424 | 2,594 | 10,475 | 2,427 | 47,051 | 2,662 | 41,162 | .. | 5,889 |
| Do. South. | 44 | 40,500 | 42 | 41,011 | 1,092 | 4,733 | 3,535 | 5,206 | 1,136 | 45,233 | 3,577 | 46,217 | 984 | .. |
| The Nilgiris .. | 75 | 26,113 | 75 | 28,631 | 1,079 | 8,136 | 1,221 | 9,317 | 1,154 | 34,249 | 1,296 | 37,948 | 3,699 | .. |
| Kollegal .. | 22 | 8,028 | 25 | 10,925 | 1,292 | 5,668 | 1,541 | 6,856 | 1,314 | 13,696 | 1,566 | 17,781 | 4,085 | .. |
| Coimbatore, North. | 54 | 28,406 | 55 | 31,374 | 2,411 | 9,233 | 2,406 | 9,894 | 2,465 | 37,639 | 2,461 | 41,268 | 3,629 | .. |
| Coimbatore, Central. | 41 | 9,519 | 48 | 12,670 | 8,167 | 5,228 | 7,260 | 8,503 | 8,208 | 14,747 | 7,308 | 21,173 | 6,426 | .. |
| Coimbatore, South. | 56 | 19,604 | 59 | 23,658 | 16,018 | 31,460 | 16,247 | 34,945 | 16,074 | 51,064 | 16,306 | 58,603 | 7,539 | .. |
| Madura .. | 94 | 55,846 | 97 | 56,531 | 3,201 | 7,201 | 2,977 | 7,496 | 3,295 | 63,047 | 3,074 | 64,027 | 980 | .. |
| Rámnád ..<br>Tinnevelly .. | 74 | 39,079 | 13<br>66 | 9,829<br>32,020 | 1,531 | 3,875 | 293<br>1,359 | 1,651<br>3,423 | 1,605 | 42,954 | 306<br>1,425 | 11,480<br>35,443 | 3,969 | ..<br>.. |
| Vernacular Training School. | .. | .. | .. | .. | 350 | 2,618 | 378 | 2,539 | 350 | 2,618 | 378 | 2,539 | .. | 79 |
| Total .. | 580 | 2,89,195 | 606 | 3,01,617 | 40,869 | 1,07,196 | 43,496 | 1,19,451 | 41,449 | 3,96,391 | 44,102 | 4,21,068 | 24,677 | .. |
| Grand total, Presidency. | 1,738 | 7,28,623 | 1,834 | 7,71,766 | 100,463<br>LB. 48<br>M. F. C. L.<br>13 2 7 55<br>CWT. 33 | 3,19,461 | 144,955<br>LB. 48 | 3,42,404 | 102,201<br>LB. 48<br>M. F. C. L.<br>13 2 7 55<br>CWT. 33 | 10,48,084 | 146,789<br>LB. 48 | 11,13,170 | 66,086 | |

* As revised by the Collector. † Revised figure.

‡ Figures shown against this district in columns 2, 3, 6, 7, 10 and 11 relate to those of South Cuddapah district in the previous year.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

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READ—the following paper :—

**Proceedings of the Board of Revenue (Land Revenue), Forest No. 283, dated 17th November 1911.**

The Hon'ble Mr. W. O. HORNE, I.C.S.

The Board begs to submit to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1911. The slight delay in the submission of this report is due to change of Commissioners.

CONSTITUTION OF STATE FORESTS.

2. *Alteration in area.*—The area of reserved forests at the commencement of the year was 18,769 square miles and at the close 18,629 square miles, a net decrease of 140 square miles. Twenty-one square miles were newly constituted reserved forests during the year; 16 square miles were found in excess on a more correct computation of the areas notified in previous years. Six square miles were disafforested and 170 square miles were deducted, mainly on account of recalculation of areas in *South Canara*, *South Malabar* and *Tinnevelly* in accordance with the Survey of India sheets.

3. The area of reserved lands under the control of the department rose during the year from 19,612 square miles to 20,030 square miles, a net increase of 558 square miles. Twelve square miles were notified under section 4 of the Forest Act, 540 square miles of forests in the Nugur taluk were notified under the rules under section 26 of the Forest Act pending resettlement under the Madras Forest Act and 48 square miles were newly notified in *Anantapur* under the rules under section 26 of the Act. On the other hand, 21 square miles were transferred to reserved forests, 8 square miles were excluded at settlement and 13 square miles deducted on account of revision of areas. During the year under review, the control of the forests in the Thumba mutta was transferred to the Forest Department and placed in charge of the Special Forest officer for the Parlâkimedi Maliahs. In the Chandragiri Agency, the lands to be set apart for the use of the Savaras within the Chandragiri reserve were under investigation. Three blocks covering an area of 10 square miles were reserved under the rules under section 26 of the Forest Act in the Parlâkimedi Maliahs, but no further progress could be made pending decision of a dispute with the Parlâkimedi estate in regard to their boundaries. No steps were taken towards the reservation of the upper slopes of the main hills, as recommended in the joint report of Messrs. Cox and Reilly, dealt with in G.O. No. 1139, Revenue, dated 27th April 1908, but the Government Agent promises to report, after inspecting the hills with the Special Forest officer, when it will be possible to take up this work.

4. *Forest settlement.*—It will be seen from Appendix B that 501 square miles of land notified under section 4 of the Forest Act remained to be notified under section 16 of the Forest Act at the end of the year. Three square miles were reserved under section 16 of the Act after the close of the year and the settlement of 419 square miles has been practically completed leaving a balance of 79 square miles under settlement. As in previous years, the work was carried out by the Revenue Divisional officers. The Special Deputy Collector appointed to revise

the boundaries of some of the existing reserves in the Palni hills in *Madura* completed the investigation of ten blocks. It is reported that the work is about half finished. The officer appointed for similar work in *Coimbatore* completed the verification of the boundaries of the reserves in the Satyamangalam taluk and his services have been retained for a further period of six months so as to enable him to complete the work in *Kollegal.*

5. *Demarcation.*—The total length of boundaries at the close of the year, including the boundary line of the Pondokkal forest in the *Ganjám* district, which was omitted in the previous year's returns, was 37,716 miles (or 62 miles greater than in the previous year) of which 1,765 miles do not require artificial demarcation and 35,142 miles have been demarcated in previous years with artificial boundary marks. 549 miles were newly demarcated during the year under review against 644 miles in the preceding year, leaving 809 miles still to be demarcated. The amount of new work to be done is large in *West Kurnool*, *South Canara*, *North Malabar* and *Madura.* The total length of boundaries repaired was 2,585 miles more than in the previous year, but the work is reported to be still behindhand in several districts, notably in *Bellary*, *Anantapur*, *North Cuddapah*, *South Arcot*, *Guntúr*, *North Malabar* and the *Nilgiris.* As stated in paragraph 4 above, Special Deputy Collectors have been deputed in *Madura* and *Coimbatore* to verify and revise the notified boundaries. The Collector of the *Nilgiris* has also recently brought to notice the defective state of the boundaries of reserves in his district and the need for a special staff to set them right ; and there is reason to think that the work being done in Coimbatore and Madura will be found necessary in a good many other districts also. Many causes have probably contributed to these unsatisfactory results. It is hardly now profitable to enquire into them, but the defects are serious and will have to be removed. All Collectors will be requested to see that this important work is not lost sight of.

The average cost per mile of fresh demarcation rose from Rs. 23-12-2 to Rs. 29-9-8 per mile, while the cost of repair fell from Rs. 5-5-6 to Rs. 4-12-10 per mile. The increase in the former was altogether in the Southern Circle and has not been explained. The Conservator will be requested to look into it. In *Kistna*, *North Arcot*, *Cuddapah*, *Coimbatore*, *Madura* and *Tinnevelly*, the expenditure incurred on the demarcation of enclosures and annual coupes is treated as capital expenditure and included in Form No. 67 instead of being debited to the working of forests. The Collectors concerned should see that the mistake is not repeated.

6. *Surveys.*—The Survey of India Party No. 7 continued the survey on the 2-inch scale of some of the reserved forests in *South Canara*, but no new work was undertaken by the Survey of India either in the Northern or Central Circle. In the Bhadráchalam division of the *Gódávari* district, the survey of the boundary line between dupati or zamindari forests and Government unreserved jungles was proceeded with from 1st April 1911 under the supervision of the District Forest Officer and twenty villages have now been surveyed at a total cost of Rs. 4,206. The only departmental survey of importance carried out during the year was the survey of the boundary line round Buguda and Chokkapad blocks in *Ganjám* and of the line between the ryotwari and mulguzari lands in *Upper Gódávari* ; miscellaneous work, such as survey of coupes and cultivation in reserves, alignment of roads and fire lines, was done by departmental surveyors.

7. Appendix C shows that out of 18,629 square miles of reserved forests, 16,232 square miles have been finally mapped. This figure is not accurate as in some districts settlement maps have been wrongly treated as final maps. The Acting Conservator of Forests, Northern Circle, points out that work is much hampered in his circle by want of proper maps, as survey has been completed only for portions of *Ganjám*, *Gódávari* and *Kurnool.* In connection with the *Nilgiris*, the Board recently noticed that the publication of maps prepared by the Survey of India Party was being delayed by errors and omissions caused by neglect of the local officers to clear boundaries and to bring to notice rights within the surveyed reserves. It is scarcely necessary to point out the importance of accuracy in maps and Collectors should make a point of seeing that Survey officers are given full and proper assistance in their work.

Special reference maps giving accurate and detailed information regarding forest areas in addition to the usual features (roads, rivers, towns, etc.) have now been prepared for six districts in the Forest Map office, Dehra Dun. Mr. A. Descubes, late Extra Assistant Superintendent, Forest Map office, who prepared these maps, having retired from service, the sanction of the Government of India has been obtained for his re-employment in this Presidency in order to enable him to prepare similar maps for the remaining districts. When this work is finished, the Forest Department will be well supplied with good reference maps.

### MANAGEMENT OF FORESTS—(1) REGULATION OF MANAGEMENT.

8. *Working plans.*—During the year, working-plans for 120 square miles were sanctioned by the Board and plans were either under preparation or revision for 2,390 square miles. A revised preliminary working-plan for the Benne, Mudumalai and Kumbarakalli leased forests in the *Nilgiris* and a revised working-plan for the coast casuarina plantations in *Nellore* were also approved by the Board during the year. More than half the forest area still remains to be dealt with. The slow progress is due to the fact that District Forest Officers have no time for the work and it has hitherto been found impossible to find special working-plans officers. An Imperial officer has, however, recently been sent to *West Kurnool* to relieve the District Forest Officer of his ordinary work, so that he may devote his attention to the preparation of working-plans, and it is hoped that when the full number of officers recently sanctioned under the controlling service is entertained, better progress will be possible in this most important work. The prescriptions of the sanctioned working-plans were generally adhered to; the deviations were, with a few exceptions, unavoidable. The Board is in full agreement with the Conservator of Forests, Central Circle, that it is desirable at first to prepare simple preliminary plans for most of the forests instead of elaborate plans, the provisions of which there is no prospect of carrying out.

### (2) COMMUNICATIONS AND BUILDINGS.

9. The following statement shows the expenditure incurred during the year on the construction and maintenance of "roads" and "buildings" in the three circles as compared with the preceding year:—

| Circle. | Roads and bridges. | | | | Buildings. | | | |
|---|---|---|---|---|---|---|---|---|
| | New works. | | Repairs. | | New works. | | Repairs. | |
| | 1909–10. | 1910–11. | 1909–10. | 1910–11. | 1909–10. | 1910–11. | 1909–10. | 1910–11. |
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| Northern Circle .. .. | 20,889 | 18,652 | 4,302 | 12,336 | 62,819 | 50,194 | 16,397 | 18,736 |
| Central Circle .. | 17,245 | 23,923 | 5,304 | 4,867 | 26,704 | 22,588 | 15,032 | 12,552 |
| Southern Circle .. .. | 14,768 | 13,202 | 24,297 | 27,822 | 31,370 | 32,064 | 11,604 | 12,418 |
| Total .. | 52,902 | 55,777 | 33,903 | 45,025 | 1,20,893 | 1,04,846 | 43,033 | 43,706 |

The total expenditure on roads and bridges rose by Rs. 13,997, while that on buildings fell by Rs. 15,374. The decrease under "Buildings" new works was largely due to the completion in the previous year of most of the special programme for the Nallamalais. The mono-rail in the Bundamur lanka plantation was not worked at all during the year, the fuel contractor having used other means of transport. The plant is said to be deteriorating and the Conservator of Forests, Northern Circle, will be requested to submit a special report as to how it can most advantageously be disposed of. The tramways in *Nellore* and *South Coimbatore* worked at a profit. The wire rope way in the *South Coimbatore* division was dismantled during the year. The total outlay on communications and buildings was only about 2½ lakhs out of a gross revenue of nearly 38 lakhs. It would be good policy to devote a larger share of revenue to these purposes. The obstacle

is want of staff for the investigation of projects and preparation of proper estimates, as well as for carrying out works. Proposals for the construction of tramways in Wynaad and the Tekkadi leased forests and road trains in *South Coimbatore* and *Malabar* are under consideration. The problem is to place a larger quantity of timber from remote forests on markets where there is a demand for it at paying rates, thereby benefiting not only the revenue but also the forests themselves.

10. *Miscellanous works.*—The expenditure under this head was Rs. 15,721 against Rs. 17,378 in the preceding year. The works consisted of the construction of a masonry dam in *Kurnool*, the blasting of rocks in *South Canara* rivers to facilitate navigation, repairs to tanks, digging and repairing of wells, fencing and walling of compounds.

### (3) Protection of Forests.

11. *General protection.*—The offences reported during the year are classified in the following table :—

| — | Injury to forests by fire. | | Unauthorized felling or appropriation of wood and minor forest produce. | | Unauthorized grazing. | | Other offences. | | Total. | | Average of 1907-08 to 1909-10. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11 | 1909-10. | 1910-11. | 1909-10. | 1910-11. | |
| 1. Cases taken into court. | 67 | 63 | 3,009 | 2,858 | 1,444 | 1,494 | 341 | 303 | 4,861 | 4,718 | 5,317 |
| 2. Cases compounded. | 39 | 72 | 11,556 | 12,592 | 6,630 | 6,446 | 615 | 895 | 18,840 | 20,005 | 18,059 |
| 3. Cases undetected. | 842 | 907 | 287 | 374 | 423 | 465 | 24 | 20 | 1,576 | 1,766 | 1,691 |
| Total .. | 948 | 1,042 | 14,852 | 15,824 | 8,497 | 8,405 | 980 | 1,218 | 25,277 | 26,489 | 25,067 |

The offences relating to unreserved lands are not shown separately in the Northern and Central circles, and the number actually reported is probably a very imperfect indication of the number of offences actually committed. The Board is glad to note the assurance of the Acting Conservator, Northern Circle, that protection has improved in several parts of that circle, notably in the Nallamalais. As the figures stand, the total number of offences reported was greater by 1,212 than in the preceding year and 1,422 in excess of the average of the preceding three years. As it is certain that only a small proportion of actual offences is ever reported, it is not advisable to draw deductions from these figures. Compared with the previous year, there was an increase under all heads except "illicit grazing." In *Anantapur*, offences under the column "injury to forests by fire" rose from 28 to 172 and in *South Canara* from 204 to 354. The increase in *South Canara* is attributed to the more accurate registration of fires, but no explanation is given for the large increase in *Anantapur*. This should have been furnished and will now be called for. The increase of "unauthorized felling or appropriation of wood and minor produce" occurred principally in *Vizagapatam*, *Madura* and *Tinnevelly*; under "other offences" chiefly in *Guntúr* and *Trichinopoly*. These variations have not been explained. Of the total number of cases, as in the previous year, 6 per cent. remained undetected, 18 per cent. were taken into court against 19 per cent. in the preceding year and 76 per cent. were compounded against 75 per cent. in 1909–1910. The total number of cases disposed of by the courts was 5,023 against 4,571 in the preceding year and convictions were obtained in 86 per cent. of the cases against 87 per cent. The punishments inflicted were considered generally adequate. The District Magistrate, Coimbatore, has taken due notice of the lenient punishments inflicted by his Sub-Magistrates in certain cases of illegal rescue of cattle in *Kollegal* and *North Coimbatore*. The amount of compensation realized was Rs. 1,69,686 against Rs. 1,53,715 in 1909–10 and the average fee per case was Rs. 9–7–1 against Rs. 8–15–9 in the previous year.

12. The Conservator of Forests, Southern Circle, has not reported how the rules recently laid down by Government for the guidance of Forest officers in compounding offences worked in practice. The rules are reported to have been observed in the

Northern and Central Circles and the Conservator, Central Circle, considers that it is too early to decide whether they have resulted in any benefit to the forests or not. In paragraph 3 of its Proceedings, Forest No. 186 of 10th August 1910, it was ordered that particular villages, the inhabitants of which regularly grazed their cattle in particular forests, should be held responsible for illicit grazing or other offences on a large scale in those forests and that the villagers should be warned that their responsibility would be enforced by the entire or partial closure of the forest to grazing if they did not prevent such offences or at least immediately report them to the nearest Forest Officer. Notices to this effect were published in a few districts but it is too early yet to judge of the results.

13. The rules for the grant of rewards to informers and others who may render service to Government in preventing or detecting forest offences, printed on pages 262 and 263 of the Forest Manual, were practically a dead letter. The total amount granted in the shape of rewards was only Rs. 216. In one case, in the Southern Circle, a reward of Rs. 2 was given to a village munsif for services in connection with the detection of a forest offence; such rewards are scarcely likely to have much effect in stimulating the enthusiasm of village munsifs. The question of introducing the regular payment of rewards, a suggestion made by the Board in last year's review, is at present under the Board's consideration.

14. It is reported that in several districts in the Central Circle, no information was furnished in regard to offences relating to unreserved lands, while in *North Coimbatore* and *Central Coimbatore*, the information given was incomplete. The Collectors concerned are requested to see that complete information is given in future reports.

15. *Protection from fire.*—The usual methods were adopted for the protection of forests from fire, clearing of exterior and interior lines and patrol by fire watchers. In certain parts of *North* and *East Cuddapah*, the special method, introduced in 1905–1906, of burning a large area of forests in strips of varying width to secure the protection of the remainder was continued. In the *South Kurnool* division, progress was made in the grubbing out of stumps on fire lines. The total area over which special protection was attempted was 4,536 square miles against 4,589 square miles in the previous year, the percentage of failure falling from 11·6 to 4·1. The result is satisfactory. The expenditure incurred on areas under special protection in *Vizagapatam*, *South Kurnool* and *South Salem* is not separately shown in form No. 72, but it is presumed that a large portion of the expenditure incurred in those divisions represents the cost of special protection. The average cost per square mile of areas under "special protection" successfully protected rose from Rs. 18–8–4 to Rs. 22–1–3. In addition to the areas under special protection, the ordinary staff attempted to protect 8,066 square miles, of which 7,721 square miles were successfully protected; it is, however, doubtful whether much reliance can be placed upon the latter figure.

16. The numbers of fires that occurred during the year, as given in the Conservators' reports and arranged according to their causes, are compared below with the figures for the previous year:—

| — | 1909–1910. | | 1910–1911. | |
|---|---|---|---|---|
| | Number of fires. | Area burnt in acres. | Number of fires. | Area burnt in acres. |
| Fires originating in departmental fire conservancy operation .. | 87 | 27,049 | 51 | 5,399 |
| Fires crossing the exterior fire lines .. .. .. .. | 167 | 190,285 | 161 | 34,080 |
| Fires due to carelessness or accident .. .. .. .. | 355 | 45,733 | 329 | 118,477 |
| Fires originating from intention or malice .. .. .. | 352 | 243,114 | 426 | 94,877 |
| Fires due to unknown causes .. .. .. .. .. | 694 | 412,293 | 605 | 172,066 |
| Total .. | 1,655 | 918,474 | 1,572 | 424,899 |

The number of fires and the area burnt were much less than in the previous year. Of the area burnt, 37 per cent. was in *West Kurnool* where a large number of fires is shown to have been caused by the carelessness of travellers passing through the

forest. This suggests the need for fire tracing the pathways. In both the divisions of *Cuddapah*, large areas were burnt intentionally by the adjacent villagers to obtain new grass. As a punishment to the villagers, the grazing fees were enhanced in the reserves concerned as they could not be closed on account of the small extent of unreserved land left for grazing. The measures taken to secure the co-operation of the Khonds in *Ganjám* and the Chenchus in the Nallamalais in the protection of forests were wonderfully successful. The Acting Conservator of the Northern Circle reports that the advancing civilization of the Chenchus resulted in a proposal by the women to stop the collection of Ippa (*Bassia latifolia*) flowers so as to promote temperance among their men.

17. *Protection from cattle.*—Out of 18,629 square miles of reserved forests, only 2,360 square miles, or 12·7 per cent. of the area, were closed to all animals throughout the year. This was 205 square miles, in excess of the corresponding figure for the previous year and the increase occurred chiefly in *Kurnool*, *East Cuddapah*, *Chittoor* and *Tinnevelly*. These variations have not been explained. 672 square miles of reserved forests were open to goats against 736 square miles in the previous year, and 219 square miles of reserved land were also open to them against 53 square miles in the previous year, the increase being in *Upper Gódávari* (90 square miles) and in *Anantapur* (77 square miles). Form No. 73 shows that 19 square miles of reserved forest were left open in *Anantapur* during the year; 77 square miles of reserved land were also open: but according to the statistics in Form 74, only 86 goats browsed in the district. These figures can hardly be correct. The total number of animals admitted to grazing on payment according to this return was 3,556,009 or 484,683 less than in the previous year. The decrease occurred in all three circles, but the Conservator of Forests, Southern Circle, explains that the decrease of 100,224 in his circle was nominal as it was due chiefly to a change of system in *Malabar*, *Coimbatore* and *Tinnevelly* by which permits were issued, as in other districts, for the fasli instead of for the official year. The number of goats decreased by 56,155. Goats were still largely admitted into reserves in *Kistna*, *Bellary*, *North Cuddapah*, *Nellore*, *North Arcot*, *North Salem* and *Madura*. The Acting Conservator of Forests, Northern Circle, recently brought to the Board's notice that the continuance of goat browsing in *Kistna* and *Bellary* was most undesirable and should be prohibited at once. The Board has already in its Proceedings Forest No. 70, dated 18th March 1910, laid down the general principles which apply in such cases and it is for the local officers to apply them. Detailed proposals should be submitted wherever serious damage to the forests is anticipated from goat browsing. The number of cattle impounded was 202,093 against 209,930 in the previous year.

18. A preliminary scheme for the regulation of grazing in the reserved forests of the Udamalpet range of the *South Coimbatore* division was sanctioned by Government during the year. No important reduction was proposed in the number of cattle to be grazed, the chief aim of the scheme being to familiarize the ryots with the allocation of particular grazing areas to particular villages. A somewhat similar scheme for preventing the denudation of the more accessible forests and distributing the incidence of grazing more equally among all the forests in the Talamalai range of North Coimbatore division was submitted to Government at the close of the year. In their Order No. 2614, Revenue, of 29th August 1911, Government directed that enhancement of grazing fees should first be tried as a remedy for over grazing. The Board welcomes this decision. It has always perceived that the limitation of grazing in any block or area without a corresponding enhancement of the grazing fees to the full value of the permit can only result either in wholesale evasion or in the making of a gratuitous present to middle men and Forest subordinates. The enhancement of fees, if carried far enough, must result in limiting grazing, and though it will cause the amount of grazing to correspond less to the possibility of the forests than to the possibility of the villagers' pocket, the Board regards it as a notable advance in an inevitable direction.

Preliminary proposals for the regulation of grazing in several other districts are now under the consideration of the Board.

19. *Protection from injury by natural causes.*—The spike disease continued to spread in the sandal areas in *Kollegal* and *North Coimbatore*: in *Kollegal*, 7,243 spiked trees were removed. It is unfortunate that the cause of this disease is as yet unknown. In *Central Coimbatore*, two new fungoid leaf diseases were identified, *Uncinula tectonæ* and *Gambloela Cornuta.* The new teak plantations in *West Kurnool* suffered slightly from attacks of *Hybloea* and *Pyrausta*, but the teak plantations in *South Malabar* fortunately escaped the attentions of these insects owing to heavy autumn rains. Much damage is reported to have been caused by hares to areas under cultural operations in *Anantapur*, by caterpillars to *Anogeissus latifolia* and *Azadirachta indica* in *Tinnevelly* and by floods to the plantations in *South Malabar* and *Guntúr.* The Board thinks that it should not be impossible for the District Forest Officer to defeat the hares. It is satisfactory to note that the introduction of broad-leaved species in the casuarina plantations in *Ganjám* and *Kistna* and the rest given to the felled coupes in these plantations in *Nellore* have checked the spread of the root fungus (*Trichosporum Vesiculosum*).

## (4) Sylviculture.

20. *Natural reproduction.*--The year was, on the whole, favourable for natural reproduction. Owing to short rainfall, reproduction from seed was poor in *Nellore*, *Chingleput* and *Tinnevelly*; in the *Nilgiris* and *Central Coimbatore* also, but in these districts the cause has not been explained. In all the other divisions, important species seeded well and progress was marked in protected areas and areas closed to grazing. The Board is glad to learn that the areas which have escaped fire in the Nallamalais are covered with a fine natural growth of superior species, and that sandal has established itself in the Sandur range of the *Bellary* district.

21. *Artificial reproduction.*—Regarding plantations there is nothing of interest to record. 2,011 acres were added and 399 acres excluded from the area of regular plantations, leaving a net increase of 1,612 acres. The additions were chiefly to the teak plantations in *West Kurnool* and *South Malabar* and to the casuarina plantations in *South Arcot* and *Guntúr.* To the taungya plantations, 533 acres were added in *South Canara* and *North Malabar* and 14 acres excluded in *Tinnevelly.* The results of the operations in the first two-named districts were not satisfactory, but no mention is made of the condition of these plantations in *Upper Gódávari*, *North Arcot*, *Chittoor*, *Trichinopoly* and *Tinnevelly.* Cultural operations such as sowings, dibbling in seeds and putting out seedlings and cuttings, were carried on in all districts. The mound sowings in *Bellary* were attended with considerable success and the special grant made in 1910 enabled the department to extend its operations. The results of cultural operations were satisfactory in all districts except *Ganjám*, *Cuddapah*, *Chingleput*, *South Arcot* and *Rámnád* and parts of *Trichinopoly* and *Central Coimbatore.* Considerable progress was made in *Bellary* in bunding streams, so as to retain the silt and keep the soil in the neighbourhood moist: the results were encouraging.

22. *Operations for the improvement of the growing stock.*—The operations undertaken during the year for the improvement of growing stock consisted of improvement fellings, thinnings, fencing, creeper-cutting, pruning, removal of parasites and noxious growth. The information given in the report from the Southern Circle shows that adequate attention is being paid to the importance of these operations in that circle. In spite of the Board's remarks in the last year's review, no detailed information is given on the subject in the reports from the other circles and it is not possible therefore to state what progress has been made in the districts included in those circles. The Collectors concerned are requested to see that information is furnished in future reports.

23. *Experiments.*—Experiments with a large number of exotics were continued as usual, but in most cases, the results were unsatisfactory. The growth of Mahogany (*Swietenia Mahogany*) is reported to be excellent in the plantations in *West Kurnool* and good in *South Canara* and *South Arcot.* The experiments with sandal made at Waltair show that it grows excellently with certain inferior species as hosts. The red sanders (*Pterocarpus santalinus*) in *Ganjám* and the camphor plants in the *Nilgiris* and *Madura* continue to do well.

## (5) Exploitation.

### (*a*) *System of management.*

24. *Major produce.*—The methods adopted for the exploitation of major produce were, as usual, clear or regeneration fellings, selection fellings, improvement fellings and coppice fellings. Permits were issued for the removal of timber in *North Cuddapah* in localities where the demand was small and for the removal of unclassified trees in the Kadiri range of the *Anantapur* district. In *Trichinopoly*, permits were granted for removal of fuel in two ranges; in *Upper Gódávari*, *North Cuddapah*, *East Cuddapah*, *Chittoor*, *North Arcot* and *South Salem* for removal of palmyras. In the *Nilgiris*, permits were issued for the removal of small timber, fuel, bamboos, etc., by the resident ryots. In *Kollegal*, timber and bamboos were removed on permits for the construction of plague camps.

25. *Minor produce and fodder.*—In *Ganjám*, most of the minor produce was left to the free enjoyment of the Khonds. In *Vizagapatam*, the hillmen were allowed to collect and sell it to merchants in weekly markets and seigniorage was collected from the purchasers. In the Sandúr range of the *Bellary* district, minor produce is collected departmentally. In the three divisions of *Kurnool*, all produce, except tangedu and amroy, was collected departmentally through the agency of the Chenchus. In all the remaining divisions, minor produce is leased out to contractors, but a few miscellaneous items were collected departmentally. Permits were issued in several districts for the removal of stone, gravel and other minerals and for removal of manure leaves in *Chittoor*, *North Arcot* and *Madura*. Free removal of grass was allowed from reserves in *Kistna*, *West* and *South Kurnool*, *Bellary*, *Anantapur*, *Nellore*, *Cuddapah*, *Chingleput*, *North Arcot*, *Chittoor*, *South Arcot*, *Trichinopoly*, *South Canara* and the *Nilgiris*.

26. *Hay-making.*—Hay was collected in *Kistna*, *South Kurnool*, *Bellary*, *North* and *East Cuddapah*, *North Arcot*, *Chittoor*, *North Salem*, *South Salem*, *Guntúr*, *South Canara* and *South Coimbatore*. That collected in *South Kurnool* and *South Coimbatore* was used for feeding Government bulls. There was no demand for it in *Guntúr*, *North Salem* and *Central Coimbatore*. The operations in other districts resulted in a loss. In G.O. No. 2241, Revenue, dated 6th July 1910, it was ordered that experiments should be made at specially selected centres with a view to acquire knowledge and experience of hay-making and storage and to obtain data on which a large scheme could, if necessary, be prepared for the acquisition of a famine reserve of fodder. Proposals and estimates were accordingly submitted to Government for experiments in selected places in *Bellary*, *East Cuddapah*, *Guntúr* and *Coimbatore*; these estimates have since been returned for revision.

27. *Grazing.*—The following statement compares the grazing revenue realized during the year in each of the three circles with that of the preceding year :—

| | 1909–10. | 1910–11. |
|---|---|---|
| | RS. | RS. |
| Northern Circle ... ... ... ... ... | 2,08,177 | 1,86,454 |
| Central Circle ... ... ... ... ... | 4,24,831 | 3,55,471 |
| Southern Circle ... ... ... ... ... | 1,36,762 | 89,718 |
| Total ... | 7,69,770 | 6,31,643 |

There was a remarkable fall of Rs. 1,38,127. The decrease in the Central Circle was nominal, as compounding fees in cases of illicit grazing, which had previously been credited in the several districts to the budget head "II (*d*) Grazing and fodder grass," were credited to the head "V. Miscellaneous (A) Fines and forfeitures" in accordance with the orders of Government. The decrease in the Southern Circle is reported to be due principally to change of permit season in *North Malabar*, the *four divisions of Coimbatore*, *Rámnád* and *Tinnevelly*, as explained in paragraph 17 *supra*. In the Northern Circle, there were small decreases in all districts except in *Ganjám* and *Vizagapatam*.

### (b) *Agency of exploitation.*

28. The following statement compares the total outturn of timber, fuel, bamboos and minor produce from all agencies under the control of the Forest Department with the outturn of the preceding year:—

| Agency of exploitation. | Timber in cubic feet including sandal-wood in cubic feet. | | Fuel in cubic feet. | | Bamboos in number. | | Minor produce including grass. | |
|---|---|---|---|---|---|---|---|---|
| | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. | 1909-10. | 1910-11. |
| By Government Agency— | | | | | | | | |
| Northern Circle .. | 281,632 | 220,702 | 4,229,585 | 4,622,826 | 5,822,686 | 6,767,523 | 13,537 | 4,970 |
| Central Circle .. .. | 96,224 | 100,763 | 6,737,593 | 5,913,275 | 421,130 | 492,088 | 18,519 | 14,395 |
| Southern Circle .. | 407,308 | 262,741 | 2,986,504 | 2,776,940 | 105,810 | 177,515 | 37,307 | 24,717 |
| Total .. | 785,164 | 584,206 | 13,953,682 | 13,313,041 | 6,349,626 | 7,437,126 | 69,363 | 44,082 |
| By purchasers (including confiscation)— | | | | | | | | |
| Northern Circle .. | 758,609 | 784,011 | 1,260,824 | 1,066,885 | 10,508,242 | 8,484,399 | 528,564 | 426,461 |
| Central Circle .. | 1,283,487 | 1,100,941 | 3,124,425 | 4,672,727 | 17,440,390 | 17,908,434 | 796,263 | 647,096 |
| Southern Circle .. | 456,977 | 363,731 | 2,997,585 | 2,892,240 | 4,982,721 | 5,209,774 | 270,589 | 184,875 |
| Total .. | 2,499,073 | 2,248,683 | 7,382,834 | 8,631,852 | 32,931,353 | 31,602,607 | 1,595,416 | 1,258,432 |
| By right holders— | | | | | | | | |
| Northern Circle .. | 787 | 787 | 154,506 | 154,506 | 12,293 | 12,293 | 24,474 | 24,650 |
| Central Circle .. .. | .. | .. | .. | .. | .. | .. | 741 | 298 |
| Southern Circle .. | 92,635 | 63,975 | 106 | 2,500 | 2,775 | .. | 1,081 | 823 |
| Total .. | 93,422 | 64,762 | 154,612 | 157,000 | 15,068 | 12,293 | 26,296 | 25,771 |
| By free grantees— | | | | | | | | |
| Northern Circle .. | 77,597 | 76,009 | .. | .. | 93,367 | 121,600 | 349 | 277 |
| Central Circle .. .. | 58,349 | 47,657 | 667 | 53,036 | 27,970 | 28,415 | 901 | 601 |
| Southern Circle .. | 14,023 | 20,109 | 3,645 | 2,126 | 2,400 | 14,726 | 820 | 452 |
| Total .. | 149,969 | 143,775 | 4,312 | 55,162 | 123,737 | 164,741 | 2,070 | 1,330 |
| Grand Total, Presidency. | 3,527,628 | 3,041,426 | 21,495,440 | 22,157,061 | 39,419,784 | 39,216,767 | 1,693,145 | 1,329,615 |

29. The total outturn of timber, bamboos and minor produce decreased, while that of fuel increased. The decrease in the outturn of timber occurred both in the quantity extracted by Government agency and by purchasers. The principal decreases in the quantity extracted by departmental working were due in *Ganjám* to contracted operations in sal and miscellaneous timber owing to the previous year's stock not having been sold, and in *South Coimbatore* to the working of a smaller area in the Udamalpet range owing partly to plague and partly to the inefficiency of the Range officers. The quantity removed by purchasers fell short of that in the previous year chiefly in *Upper and Lower Gôdávari*, *North Arcot*, *Trichinopoly*, *Madura* and *South Canara*. In *Upper Gôdávari*, no contracts were taken up by merchants. The decrease in *Lower Gôdávari* was due to a dull market and large stocks on hand, while in *North Arcot*, *Trichinopoly* and *South Canara* less land was assigned on patta and consequently fewer trees sold. The decrease in *Madura* is reported to be due to lower bids in the Cumbum range. The quantity of fuel extracted by Government agency increased in the Northern Circle and decreased in the Central and Southern Circles. The increase in the Northern Circle was due to the exploitation of larger areas in *Kistna* and *Anantapur* to meet increased demand. The principal decreases in the Central and Southern Circles occurred in *North Salem*, *Trichinopoly*, *Guntúr*, *North*, *Central* and *South Coimbatore* and *Madura*. The decrease was due in *North Salem* and *Guntúr* to want of demand, in *Trichinopoly* to the closure of depots at Trichinopoly and the stoppage of departmental babul fellings to supply the water-works, in *North Coimbatore* to the poor outturn from one of the coupes and in *Central Coimbatore* and *Madura* to the sale of coupes standing. The decrease in *South Coimbatore* has not been explained. The quantity removed by purchasers increased in the Central Circle and decreased in the remaining two circles. The increase in the Central Circle was mainly due to the sale of fuel coupes in the Vaiyampatti range of the *Trichinopoly* district. The principal decreases in the Northern and Southern Circles were in *Kistna*, *Central Coimbatore* and *Tinnevelly*. The

decrease in *Kistna* was due to short demand and that in *Tinnevelly* to poorer growth in one of the coupes sold. The decrease in *Central Coimbatore* has not been explained. The total number of bamboos extracted departmentally and by purchasers was 241,246 less than in the previous year. The number removed by purchasers in *Lower Gódávari* alone fell by 2,350,744, but this large decrease is largely counter-balanced by increased removals in the Central and Southern Circles and departmental extractions in the districts of *Vizagapatam* and *Kurnool.* The value of minor produce extracted departmentally and by purchasers was Rs. 3,62,265 less than in the previous year. The decrease in the value of minor produce occurred in all three circles and principally in *Anantapur*, *Bellary*, *West Kurnool*, *Guntúr*, *North Arcot*, *South Salem* and *Madura.* The decrease in the grazing revenue has already been explained in paragraph 27 above.

30. The figures show little progress in the direction of transferring the extraction and distribution of forest produce to private agency. Every effort is, however, being made to give effect to the policy of Government in the matter and the Board anticipates that by the end of the current year considerable progress will be observable. The necessity for the continued existence of Government depots is everywhere being examined and where possible these depots are being closed. In *Ganjám*, *Lower Gódávari*, *South Kurnool*, *North Cuddapah*, *Chingleput*, *Trichinopoly*, *Madura*, *Rámnád* and *Tinnevelly*, some of the coupes were sold standing to contractors. In *Vizagapatam*, *Lower Gódávari* and *Kollegal*, the produce felled by the department in some coupes was sold at the coupe. In the *Nilgiris*, the attempt made to hand over the fuel supply of Ootacamund to contractors was unsuccessful as the prices offered by them were ridiculously low and the Conservator states that the difficulty will continue so long as contractors can get work in private plantations. In *Kurnool*, it is difficult to obtain contractors as the forests are remote from the market and in *South Canara* difficulties of transport interfere with the sale of standing coupes. The Board recognises the difficulties which in many places oppose the introduction of the contract system, but the Board desires to impress upon all officers that the difficulites can and must be overcome. There will no doubt be some loss of revenue at first and some rise in the cost of produce to the consumer, but the relief of the subordinate staff from a branch of work which keeps it away from more legitimate duties and of the controlling staff from continued and largely fruitless efforts to apply ineffective checks must in the long run result in increased efficiency. The estimated value of the forest produce removed by right-holders was Rs. 54,300 against Rs. 66,039 and of the produce granted free Rs. 18,937 against Rs. 20,157 in the previous year.

## Financial Results.

31. The revenue and expenditure of the year are compared with those of the previous years and with the average of the preceding five years—

| Circle. | Revenue. | Expenditure. | | | Surplus. |
|---|---|---|---|---|---|
| | | A. Conservancy and Works. | B. Establishment. | Total. | |
| | RS. | RS. | RS. | RS. | RS. |
| Northern Circle .. .. .. .. | 9,99,939 | 6,96,673 | 4,43,154 | 11,39,827 | — 1,39,888 |
| Central Circle .. .. .. .. | 17,70,282 | 6,62,398 | 4,33,837 | 10,96,235 | 6,74,047 |
| Southern Circle .. .. .. .. | 10,01,719 | 5,47,356 | 4,35,134 | 9,82,490 | 19,229 |
| Total { 1910-11 .. | 37,71,940 | 19,06,427 | 13,12,125 | 32,18,552 | 5,53,388 |
| Total { 1909-10 .. | 41,84,203 | 21,01,932 | 12,82,995 | 33,84,927 | 7,99,276 |
| Average for the five years preceding 1909-10. | 34,12,498 | 15,35,703 | 10,23,611 | 25,59,314 | 8,53,184 |

The revenue and expenditure of the year show a decrease of Rs. 4,12,263 and Rs. 1,66,375, respectively, compared with the figures for the previous year. The surplus of revenue over expenditure fell by Rs. 2,45,888. As in the previous year, the surplus was large in the Central Circle and small in the Southern Circle, while the Northern showed a deficit. These differences are due to local circumstances and not to variations in efficiency.

32. The decrease under revenue occurred in all the three circles and was due to the following causes :—

(i) Lower prices and bad market for timber in *South Malabar.*
(ii) Low prices offered for timber coupes in Begur in *North Malabar.*
(iii) Slack demand for timber by contractors in *Upper* and *Lower Gódávari.*
(iv) Reduced quantity of sandalwood exploited in parts of the Javadis.
(v) Fewer bamboo areas leased in *South Salem.*
(vi) Poor sales of tangedu bark in *Bellary*, *Anantapur* and *West Kurnool* and low prices realized for minor produce in several districts in the Central Circle.
(vii) Diminished receipts from grazing in *Kurnool*, *Kistna* and *Bellary* and the change of permit season in *North Malabar*, *Coimbatore* and *Tinnevelly.*
(viii) Stoppage of manure-leaf leases in *Madura.*

The revenue realized by the sale of timber and fuel, either removed departmentally or by purchasers, was Rs. 17,37,145 or 46 per cent. of the gross revenue, a decrease of Rs. 1,42,987 compared with the figures for the previous year.

33. The expenditure on "A. Conservancy and Works," which was Rs. 1,95,505 less than in the previous year, included Rs. 1,03,000 paid into Court in connection with the acquisition of the Attapadi valley blocks in the Malabar district. Leaving this out of account, the decrease was chiefly due to reduced expenditure on departmental fuel operations in *Upper* and *Lower Gódávari*, *Kurnool*, *Guntúr*, *North Salem* and *Trichinopoly.*

34. Under "B. Establishments," there was a decrease of Rs. 13,079 in the Central Circle and an increase of Rs. 5,695 and Rs. 36,514 in the Northern and Southern Circles respectively, the net result being an increase of Rs. 29,130. The increase in the Southern Circle was chiefly caused by (1) the promotion of the Conservator, (2) increments of pay granted to Imperial officers under the time scale system, (3) the posting of separate officers to *Kollegal* and *South Malabar*, (4) appointment of a special Deputy Collector and staff to investigate the boundaries of reserved forests in *Coimbatore* and (5) formation of the *Rámnád* division. The amount of revenue outstanding rose from Rs. 3,02,149–0–9 at the commencement of the year to Rs. 3,95,216–15–8 at the close of the year. Out of this amount, only Rs. 51,139–8–6 fell due within the year against Rs. 67,731–13–4 in the preceding year.

35. The following statement shows the financial results of the year after deducting capital expenditure not yielding an immediate outturn :—

| | | |
|---|---|---|
| | | RS. |
| Gross revenue ... ... ... ... ... ... ... | | 37,71,940 |
| Value of produce removed by right-holders and free grantees ... | | 73,237 |
| Total ... | | 38,45,177 |
| Gross expenditure ... ... ... ... ... ... ... | | 32,18,552 |
| *Deduct* expenditure not yielding an immediate outturn— | RS. | |
| (1) Communications and buildings ... ... ... | 2,65,075 | |
| (2) Cultural operations ... ... ... ... | 2,34,209 | |
| (3) Working plans ... ... ... ... ... | 1,632 | |
| (4) Settlement ... ... ... ... ... | 8,171 | |
| (5) Surveys ... ... ... ... ... ... | 23,719 | |
| (6) Demarcation ... ... ... ... ... | 33,763 | |
| | | 5,66,569 |
| Balance of direct revenue-producing expenditure ... ... | | 26,51,983 |
| Surplus of revenue over expenditure directly chargeable to Revenue ... ... ... ... ... ... ... ... | | 11,93,194 |

*Administration.*

36. The Hon'ble Mr. W. O. Horne, who was Forest Commissioner from 1st July 1910 to 26th March 1911, visited and inspected *Kurnool*, *Anantapur*, *the Nilgiris*, *Coimbatore*, *Malabar*, *Nellore*, *Cuddapah* and *Tinnevelly*. The Hon'ble Mr. J. Andrew was Forest Commissioner from the 1st to 11th April 1911 and the Hon'ble Mr. E. Scott from 12th April to 3rd May 1911. The Hon'ble Mr. R. C. C Carr was Forest Commissioner from the 3rd May 1911 up to the end of the year and visited *the Nilgiris*.

37. Mr. A. W. Lushington was in charge of the Northern Circle up to the 13th April 1911 and Mr. P. M. Lushington for the rest of the year. Messrs. F. A. Lodge and T. P. Peake were in charge of the Southern and Central Circles respectively throughout the year. The Conservators visited during the year all the divisions except *Upper* and *Lower Gódávari*, *Kistna*, *Bellary* and *North Malabar* and inspected all the District Forest officers except *Vizagapatam*, *Upper* and *Lower Gódávari*, *Kistna*, *South Kurnool*, *Bellary*, *Anantapur*, *Chittoor*, *North* and *South Malabar*. It should have been explained why so many districts in the Northern Circle were not visited during the year and the Conservator will be requested to supply the omission. The District Forest Officers spent sufficient time in touring in all districts except *Nellore* and *Guntúr*, *the Nilgiris*, *Kollegal* and *South Malabar*, and the reasons for short touring in these districts have been satisfactorily explained. All the range offices, except two in *Lower Gódávari*, four in *North Arcot* and one in each of the divisions of *Nellore*, *North Salem*, *Central Coimbatore*, and *South Coimbatore*, were inspected by the District Forest Officers concerned. The accounts of all the District Forest offices except *East Kurnool* and *Rámnád* were scrutinized by auditors from the Accountant-General's office and the results were reported to be satisfactory.

38. As usual, Conservators and officers of the superior staff worked zealously and well and the Board is glad to note the testimony borne by Collectors to the good work done by their District Forest officers. The work and conduct of the subordinate executive and ministerial staff were generally satisfactory. The difficulty in manning ranges properly continued, but the Board hopes and expects that the opening of the Forest College at Coimbatore will remedy this in time. It is hoped that temporary arrangements will enable classes to be started in February 1912. The conduct and work of the protective staff continued to be open to criticism but much improvement cannot be expected until the executive establishment is strengthened and the size of beats is reduced. Proposals for strengthening the subordinate establishment sufficiently to meet existing needs were called for and have been submitted by Conservators. The Board has these proposals at present under its consideration and will at an early date submit them to Government with its own recommendations. The two vernacular schools continued to do excellent work in training the subordinate protective staff.

39. The important administrative changes during the year were the division of the *Kurnool* district into three forest charges, the abolition of the *South Cuddapah* division and the formation of the new Chittoor forest charge, comprising the Madanapalli and Vayalpad taluks of the old *South Cuddapah* division and the Chittoor, Chendragiri and Palmaner taluks of the old *North Arcot* district. The Tiruvannámalai taluk of the *South Arcot* district and the Tiruppattúr taluk of the *Salem* district were added to *North Arcot*. The Kadiri taluk, included in the old *South Cuddapah* division, was transferred to *Anantapur* and the Namakkal and Karur taluks of the *South Salem* and *North Coimbatore* divisions were transferred to the *Trichinopoly* district. Proposals for sub-dividing the *North Arcot* district are under the consideration of Government. Owing to the transfer of the Nugur taluk to the Gódávari district, it is proposed to form a third forest charge in that district.

40. During the year the sanction of the Secretary of State was received to the reorganization of the controlling service and the scheme was brought into force from the 29th January 1911. This resulted in the appointment of an additional Conservator and an increase in the number of Provincial officers from 25 to 39. The division of the Presidency into four circles, Northern, Central, Southern and

Western, was not, however, introduced until October 1911. The head-qurters of the four circles at present are Waltair, Madras, Trichinopoly and Coimbatore. Sanction was also received to the long expected reorganization of the Provincial service on the time scale and the system was introduced from the 1st April 1911. The Provincial service in the Forest Department now offers inducements to men of birth and education in no way inferior to those offered by other services. The results will, the Board believes, be manifest in the future.

*General.*

41. The rules framed under the Forest Act for the transit of timber and sandalwood worked smoothly in districts where they were in force and no cases of abuse by ryots of the privileges allowed by the rules under section 26 of the Forest Act were reported during the year. It is also desirable to know how the rules framed under the Forest Act for private estates, such as Vizianagram, Jeypore, etc., are working. Conservators should briefly notice this point in future reports.

42. During the year a Committee was appointed to consider and report on the question of the supply of green leaf manure by the Forest Department. The conclusions arrived at by the Committee were generally accepted by Government. The result is that in future the functions of the Forest Department will generally be limited to the production and supply of seed for green manure plants. Where manure leaf is supplied by the department, it will be at a rate corresponding as closely as possible to the market rate. The rate for *Madura* has been fixed at Rs. 3 per cart load; the old rate was As. 5. In pursuance of the policy of Government, experiments are being made in several districts in entrusting the management of fuel and fodder reserves to villagers. In *Chingleput*, arrangements have already been made; a set of simple rules has been drawn up, to which the local panchayatdars have given their assent. The areas handed over are covered with a fair growth and the villagers have promised to protect them by engaging watchmen at their own cost and by not allowing goat browsing and the removal of fuel or grass by other villagers. Similar measures are contemplated in *Ganjám*, *Coimbatore* and *South Canara*.

43. Every encouragement is afforded to the mining industry. Owing to depression in the market, the mica industry in Nellore has declined. Considerable progress has been made in elephant capturing operations and they were extended to the *Nilgiris* during the year. The number of elephants in charge of the Forest Department at the close of the year was 114.

44. A memorandum of minor discrepancies found in the Circle reports is appended.

(True Extract.)

W. G. McFarland,
*Secretary.*

To the Secretary to Government, Revenue Department.

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## APPENDIX.

### Northern Circle.

(1) *Form No.* 68.—The figure entered in column 18 against "Total", viz., 692, is a mistake for 592.

(2) *Form No.* 69.—In column 4 of the return for 1909–10, the area for which working plans have been compiled but not sanctioned by the Board in the Bellary district, was shown as 207 square miles. Deducting 112 square miles of the Harpanahalli forests for which a working plan was sanctioned in Board's Proceedings Forest No. 109, dated 20th April 1911, the balance is 95 square miles and not 105 square miles, as entered in column 4 of the return for 1910–11.

(3) *Form No.* 71.—The entries in columns 11 and 12 against B (cases compounded) in *Lower Gódávari and Bellary* are unintelligible. If they represent cases withdrawn under the orders of the District Forest-officer, they should have been shown in columns 13 and 14.

(4) (*a*) In the districts noted below, the number of cases of "Injury to forests by fire" shown in column 3 of Form No. 71 does not tally with that for which details are given in the appendix to the statement :—

| | Cases shown in Form No. 71. | Cases shown in the appendix. |
|---|---|---|
| Lower Gódávari ... ... ... ... | 8 | 2 |
| Bellary ... ... ... ... ... | 2 | 1 |

(*b*) The result of the four cases shown in the appendix to the return for 1909–10, as pending in Lower Gódávari and Bellary, has not been shown in the return for the year.

(5) The figure 45,093 entered against "Total" in the statement printed at page 14 of the report is a mistake for 456,358.

CENTRAL CIRCLE.

*Form No.* 76.—The botanical names of the trees shown in column 1 of the return have not been given as required in Board's Proceedings Forest No. 135, dated 22nd May 1911.

SOUTHERN CIRCLE.

*Appendix B.*—The extent of land remaining to be notified under section 4 is shown in column 7 as 345 square miles, whereas the details given in columns 15, 17 and 19 amount to 344 square miles.

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**Order—No. 240, Revenue, dated 29th January 1912.**

Forest No. 12.

Recorded.

2. Both the revenue and expenditure of the Forest Department declined during the year under review. The fall in gross revenue exceeded 4 lakhs, and thus amounted to a reduction by 10 per cent. of the gross revenue of the previous year. The Government consider that the causes which led to this falling off should be more fully investigated and explained in a separate report. It is especially important to ascertain whether the gross forest revenues may be expected again to expand in the near future or whether the reduction in receipts which marked the year 1910–11 is due to causes of a lasting nature, such as forbid the expectation of any fresh growth in the net receipts of the department. In examining this matter the Forest Commissioner should have regard to the budget estimates which were submitted to Government and which did not indicate the probability of so heavy a reduction in gross receipts. The lesser expenditure of the year is ascribed to reduced outlay on departmental fuel operations in several districts and is a matter for congratulation as indicating that progress has been made in the policy of transferring the work of distribution of forest products to private agency. The surplus of receipts over expenditure declined by 2½ lakhs, and in the Northern Circle there was an actual deficit of Rs. 1,40,000 against an average surplus in the five years ending 1908–09 of Rs. 1,28,000. The Forest Commissioner states that the difference between this result and that shown in other circles is due to local circumstances and not to variations in efficiency and the Government are glad to receive this assurance. At the same time they desire to receive further explanation of the local circumstances in the Northern Circle to which the deficit in 1909–10 and 1910–11 is ascribed. From the figures furnished by the Conservator it is observed that, while expenditure in this circle has advanced from Rs. 6·32 lakhs in 1904–05 to Rs. 11·23 lakhs in 1910–11, an increase of 77 per cent., revenue has risen only from Rs. 8·66 to Rs. 9·96 lakhs, an increase of 15 per cent. The causes suggested by the Conservator of the decline in the year under report as compared with the previous year, viz., the competition of timber from zamindari forests and the large fellings of previous years, merit close examination by the Forest Commissioner.

3. Various important administrative measures received sanction during the year under report. One of the most promising of these is the project for the establishment of a Forest College in the Presidency, which may be confidently expected to add to the efficiency of the executive staff both by enabling a larger proportion of the executive to receive a thorough training and by removing one of the difficulties which has hitherto stood in the way of obtaining a suitable class of recruit, namely,

the necessity of undergoing training at so distant a place as Dehra Dun. The Government note with pleasure the good results obtained in the vernacular schools which have been opened for the training of the lower subordinates. The Provincial Service has been materially strengthened during the year and the Government take this opportunity of drawing the attention of the Forest Commissioner to the importance of making the fullest use of the services of its members. It is not probable that any further considerable addition to the Imperial and Provincial staffs will be obtainable for some time, while no large increase in Rangers is likely to be possible until the Forest College, which it is hoped to open at Coimbatore in July next, has been at work, long enough to increase the supply of trained candidates. In these circumstances, the Government would hesitate to sanction any great addition to the low-paid subordinate establishment, unless they are fully satisfied that the existing executive staff is sufficient efficiently to control them.

4. Some steps have already been taken in the direction of concentrating the energies of the department and the Government are glad to recognise the vigour with which the Forest Commissioner is carrying out the policy of transferring to private agency the felling and distribution of forest produce. They trust that, as a result of this policy, District Forest Officers will soon be freed from the burden of managing retail sale depots. Their energies can then be turned to more suitable objects, *e.g.*, the preparation of simple preliminary working plans, a matter which has so far received too little attention. The Forest Commissioner is requested to consider also whether it would not be practicable to make a further advance in the direction of concentrating the energies of the department by handing over petty and unprofitable reserves to the Revenue Department or to village panchayats or otherwise.

5. If a policy of concentration is rigorously carried out, the existing staff may possibly be found sufficient for the intensive working of the more important forests. The Government recognise that for the satisfactory working of some of these forests the development of communications is essential. The report draws attention to this point and to the fact that the development of communications has in the past been retarded by the difficulty in finding men for the thorough investigation of the various projects which have from time to time been put forward. The Government fully realise the difficulties which the department has had to meet in this matter and regret that these difficulties have led to unfortunate delays in the sanctioning and execution of important schemes. They would suggest to the Commissioner the advisability of temporarily employing professional engineers for the survey, alignment and construction of tramways, where such works would be of service, or of large schemes for the provision of other forms of communication, thus setting free Forest officers for their proper work. The Government would also be glad to see definite proposals formulated for a systematic attempt to add to the value of the forest by scientific methods of reproduction and cultural operations.

6. A policy of concentration will not, in the opinion of Government, prevent the Forest Department from fulfilling those obligations to the public which are inseparable from its control of the main sources of fuel supply in the Presidency. No effort should be spared to supply fuel up to the utmost limit allowed by the forest working plans and when even then the demand is not adequately met, the Forest officer is bound to consider whether it is not possible to increase the supply whether by revising the working plan or otherwise.

7. The question of the better regulation of grazing in the forests was under consideration in the year and some important experiments were initiated, the result of which must be watched with care. Mr. Sampson, Deputy Director of Agriculture, has been deputed to make a general survey of the cattle of the Presidency and his investigations may help towards a decision on the policy hereafter to be adopted with respect to forest grazing. Another experiment started during the year was the handing over of certain forests to village panchayats in the hope that these bodies may be able to manage them satisfactorily in the interests of the village. Some years must elapse before the results of this experiment will be fully apparent. The Government hope that the next year's administration report will contain a discussion of the working of the new rules relating to composition of forest offences sanctioned in G.Os. No. 1990, Revenue, dated 13th June 1910, and No. 3958, Revenue, dated 14th December 1910.

8. The Government note with satisfaction the success which has attended the efforts of the department in winning the good will and co-operation of the hill tribes with which it has to deal.

9. The Forest Commissioner's tribute to the work of the officers of the department is noted with pleasure.

(True Extract.)

A. G. CARDEW,
*Secretary to Government.*

To the Board of Revenue, Forest Branch.
,, Accountant-General.
,, Government of India, Department of Revenue and Agriculture (with C.L.)
Editors' Table.

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